

Preview





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Practice: Fall 2022 Midterm

(1) This is a preview of the draft version of the quiz

Instructions

- This exam is an individual effort.
- You are not permitted to help others, in any way, with this exam.
- You are not permitted to release or to discuss this exam with anyone, except the course staff, until given permission to do so by the instructors (which will not occur until all students have completed the exam. There may be exceptional cases that take it late).
- You are permitted to use only the official course textbook, the official course slides, and your own personal notes.
- A simple calculator is permitted, but won't prove to be helpful (we don't think).
- You have 160 minutes, from first exposure through submission to take this exam. Do not attempt to "peek", "check", or "test" the exam. This will start your clock.
- We only expect the exam to take 70-90 minutes.
- The exam counts for the 25% "exam portion" of the midterm grade, but is reduced to counting as a "double homework" for the final grade.
- In order to make the exam an "invested but low stakes" experience, half of this exam's weight toward the final grade may be dropped as one of the two "homework drops", but the full weight can't be dropped.

Question	Topic	Points
1	Integers	10
2	Floats	15
3	Array Sizes	5
4	Array Arithmetic	5

5	Structs and Alignment		
6	Assembly: Basic	8	
7	Assembly: Switch	15	
8	Assembly: Loops and Conditionals	12	
9	Memory Hierarchy	5	
10	Locality	3	
11	Caching	10	
Total:		100	

Quiz Type Graded Quiz

Points 100

Assignment Group Midterm Exam (Homeworks #6 and #7)

Shuffle Answers No

Time Limit No Time Limit

Multiple Attempts No

View Responses Always

Show Correct Immediately
Answers

No One Question at a Time No Require Respondus

Required to View Quiz

LockDown Browser

Results

No

No Webcam Required

Due	For	Available from	Until
May 3	Everyone	Jan 16 at 12:01am	May 3 at 11:59pm

Preview

Score for this quiz: 0 out of 100 Submitted Aug 24 at 9:10am

This attempt took less than 1 minute.

UnansweredQuestion 1 0 / 10 pts

1. Integers (10 points, 2 points per blank)

This question is based upon the following declaration on a machine using 6-bit two's complement arithmetic for signed integers.

Fill in the empty boxes in the table below.

- Show all digits for the "Binary" column, including any leading 0s. Do not add spaces, letters, annotations, groupings, units, etc.
- You need not fill in entries marked with "--".
- TMax denotes the largest positive two's complement number
- TMin denotes the most negative two's complement number.

Expression	Decimal Representation	Binary Representation
------------	------------------------	-----------------------

0 + 0		-
Tmin		-
-28 - 5		-
	-7	
		101101

Answer 1:

You Answered (You left this blank)

Correct Answer

0

Correct Answer

zero

Correct Answer

Zero

Correct Answer

ZERO

Answer 2:

You Answered (You left this blank)

Correct Answer

-32

Correct Answer

- 32

Answer 3:

You Answered (You left this blank)

Correct Answer

31

Correct Answer

0x1F

Correct Answer

0x1f

Correct Answer

1f

Correct Answer

1F

Answer 4:

You Answered (You left this blank)

Correct Answer

111001

Correct Answer

111001b

Correct Answer

111 001

Correct Answer

11 1001

Correct Answer

111 001b

Correct Answer

11 1001b

Answer 5:

You Answered (You left this blank)

Correct Answer

-19

Correct Answer

- 19

2. Floats (15 points)

The floating point questions below are based upon an IEEE-like floating point format with the following specification:

- 9-bit width
- There is s = 1 sign bit
- There are k = 4 fraction bits
- Wherever rounding is necessary, round-to-even should be used. In addition, you should give the rounded value of the encoded floating point number.
- This question asks about the undecoded bits within the IEEE-like representation, answer in binary without spaces, groupings, annotations, letters, units, etc.

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7 (with margin: 0)

UnansweredQuestion 5

0 / 1 pts

Question 2: Floats (15 points, 1 point for this part)

2(D) (1 points) What exponent bit pattern is used for special values (infinity, NaN, etc)?

Hint: This question asks about the undecoded bits within the IEEE-like representation, answer in binary without spaces, groupings, annotations, letters, units, etc.

You Answered
1,111 (with margin: 0)
••
UnansweredQuestion 6
0 / 11 pts

Question 2: Floats (15 points, 1 point for each blank in this part)

This question is based upon an IEEE-like floating point format with the following specification:

- 9-bit width
- There is s = 1 sign bit
- There are k = 4 fraction bits
- Wherever rounding is necessary, round-to-even should be used. In addition, you should give the rounded value of the encoded floating point number.
- If the question asks about the undecoded bits within the IEEE-like representation, answer in binary without spaces, groupings, annotations, letters, units, etc.
- For the 3rd column: Answer as a fully reduced decimal fraction, i.e. use the smallest denominator possible without a fractional numerator.

2(E-I) (1 point per blank) Fill in the following:

Value	Binary Representation	Rounding <i>ERROR</i> as a reduced decimal fraction
3/16		

-9/1024		
-Infinity		
19/2048	Fully reduced: + /	Fully reduced: (neglect sign)
17/2048	Fully reduced: + /	

Answer 1:

You Answered (You left this blank)

Correct Answer

001001000

Correct Answer

0 0100 1000

Correct Answer

001001000b

Correct Answer

001001000 b

Correct Answer

0 0100 1000

Correct Answer

0 0100 1000 b

Answer 2:

You Answered (You left this blank)

Correct Answer

100001001

Correct Answer

1 0000 1001

Correct Answer

100001001b

Correct Answer

1 0000 1001 b

Answer 3:

You Answered (You left this blank)

Correct Answer

111110000

Correct Answer

111110000b

Correct Answer

111110000 b

Correct Answer

1 1111 0000

Correct Answer

1 1111 0000b

Correct Answer

1 1111 0000 b

Answer 4:

You Answered (You left this blank)

Correct Answer

000001010

Correct Answer

0 0000 1010

Correct Answer

000001010b

Correct Answer

0 0000 1010b

Correct Answer

000001010 b

Correct Answer

0 0000 1010 b

Answer 5:

You Answered (You left this blank)

Correct Answer

5

Answer 6:

You Answered (You left this blank)

Correct Answer

512

Answer 7:

You Answered (You left this blank)

Correct Answer

1

Answer 8:

You Answered (You left this blank)

Correct Answer

2048

Answer 9:

You Answered (You left this blank)

Correct Answer

000001000

Correct Answer

000001000b

Correct Answer

000001000 b

Correct Answer

0 000 01000

Correct Answer

0 0000 1000b

Correct Answer

0 0000 1000 b

Answer 10:

You Answered (You left this blank)

Correct Answer

1

Answer 11:

Definition A	Definition B	
int numbersA[5][3][2];	char *numbersB = numbersA;	

3(A) (2.5 points): How many bytes are allocated to numbersA? (Write "UNKNOWN" if not knowable): Bytes

Hint: Think sizeof(); answer with only a whole decimal number. No units. no fractions. No weirdness.

	Bytes

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128

0 / 5 pts

Correct Answer

UnansweredQuestion 7

3(B) (2.5 points): Consider the following line of code. What is the difference in value of numbers before and after the increment? (Write "UNKNOWN" if not knowable):

11/28

```
numbersB = numbersB + 1;
```

Hint: Answer with only a whole decimal number. No units. no fractions. No weirdness.

Answer 1:

You Answered (You left this blank)

Correct Answer

120

Correct Answer

120B

Correct Answer

120 B

Correct Answer

120bytes

Correct Answer

120Bytes

Correct Answer

120 Bytes

Correct Answer

120 bytes

Answer 2:

You Answered (You left this blank)

Correct Answer

1

Correct Answer

1B

Correct Answer

1Bytes

Correct Answer

1bytes

Correct Answer

1 B

Correct Answer

1 Bytes

Correct Answer

1 bytes

UnansweredQuestion 8

0 / 5 pts

4.Array Arithmetic (5 points, 2.5 points per blank)

(2.5 points): Consider the following definitions as implemented on a shark machine, i.e. x86-64 with 1-byte chars, 2-byte shorts, 4-byte ints, 8-byte longs, and 8-byte pointers.

Definition A	Definition B
--------------	--------------

ı		
	unsigned long numbersA[5][unsigned long *numbersB =
	3];	numbersA;
ı		

For each part below, write "UNKNOWN" (without quotes) if there is not enough information to answer the question or the answer is otherwise unknowable. **Otherwise, answer with only a whole decimal number**. No units. no fractions. No weirdness.

4(A) (2.5 points) What is the difference, i.e. number of bytes, between the addresses of numbersA[1][2] and numbersA[2][1]?

	Bytes

4(B) (2.5 points) What is the difference, i.e. number of bytes, between numbersB[1][2] and numbersB[2][1]?

⁄tes

Answer 1:

You Answered (You left this blank)

Correct Answer

16

Correct Answer

16B

Correct Answer

16 B

Correct Answer

16bytes

Correct Answer

16 bytes

Correct Answer

16 Bytes

Correct Answer

16 Bytes

Answer 2:

You Answered (You left this blank)

Correct Answer

UNKNOWN

Correct Answer

Unknown

Correct Answer

unknown

5. Structs and Alignment (12 points, 2 points per part)

The struct questions below are based upon the following definition as implemented on a shark machine, i.e. x86-64 with 1-byte chars, 2-byte shorts, 4-byte ints, 8-byte longs, and 8-byte pointers.

```
struct {
   char c1;
   char c2;
   short s;
   long l;
   int i;
} exam;
```

Assume a system which requires "natural alignment" (the alignment presented in lectures), i.e. each type needs to be aligned to a multiple of its data type size.

UnansweredQuestion 9

0 / 2 pts

5. Structs and Alignment (12 points, 2 points per part)

5(A) (2 points) What is the value of sizeof(struct exam)?

You Answered



24 (with margin: 0)

UnansweredQuestion 10

0 / 2 pts

5. Structs and Alignment (12 points, 2 points per part)

5(B) (2 points) How many bytes of padding does the compiler introduce after s?

You Answered

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4 (with margin: 0)	
UnansweredQuestion 11 0 / 2 pts	
5. Structs and Alignment (12	points, 2 points per part)
5(C) (2 points) How many byte	es of padding does the compiler introduce after I?
You Answered	
0 (with margin: 0) ::: UnansweredQuestion 12	
0 / 2 pts	
5. Structs and Alignment (12	points, 2 points per part)
5(D) (2 points) How many byte	es of padding does the compiler introduce after i?
You Answered	
4 (with margin: 0)	
UnansweredQuestion 13 0 / 2 pts	
5. Structs and Alignment (10	points, 2 points per part)
5(E) (2 points) Which of the focompiler?	llowing field orderings minimize the amount of padding introduced by the
Correct Answer	
o c1, c2, s, i, l	
o c1, c2, s, l, i	
o c1, s, c2, i, l	
s, c1, c2, l, i	
All of the above	

None of the above

UnansweredQuestion 14

0 / 2 pts

5. Structs and Alignment (12 points, 2 points per part)

5(F) (2 points) Assuming the fields of the struct were organized optimally by the programmer, what would be the value of sizeof (struct exam)?

You Answered

16 (with margin: 0)

UnansweredQuestion 15
0 / 8 pts

6. Assembly-Basic (8 points, 2 points per part)

Please consider the following assembly:

```
movq 32(%rdi), %rax # Assume that %rdi holds the starting address of an array movq %rax, 16(%rdi) movq 8(%rdi), %rax leaq (%rax,%rax,4), %rax salq $2, %rax movq %rax, 24(%rdi)
```

- **6(A) (2 points)** What type are the elements of the array? [Select]
- **6(B) (2 points)** Upon what element, i.e. via what index, of the array is arithmetic being performed? [Select]
- **6(C)** (2 points) What arithmetic is being performed upon that element? [Select]
- **6(D) (2 points)** Which one of the following elements of the array never has values assigned to it by this assembly code? [Select]

Answer 1:

You Answered (You left this blank)

char

short

int

Correct Answer

long

Answer 2:

You Answered (You left this blank)

0

Correct Answer

1

2

3

4

8

Answer 3:

You Answered (You left this blank)

Multiply by 2

Multiply by 4

Multiply by 5

Multiply by 8

Multiply by 10

Multiply by 16

Correct Answer

Multiply by 20

Answer 4:

You Answered (You left this blank)

2

3

Correct Answer

4

None of the above

7. Assembly-Switch (15 points)

Consider the following code, which was compiled from C Programming Language source code containing one switch statement and no (zero) if statements:

```
Dump of assembler code for function foo:
   0x00000000000400530 <+0>:
                                         $0x5,%esi
                                 cmp
   0x00000000000400533 <+3>:
                                         0x400555 <foo+37>
                                 jа
   0x0000000000400535 <+5>:
                                 mov
                                         %esi,%esi
                                         *0x400620(,%rsi,8)
   0x0000000000400537 <+7>:
                                 jmpq
   0x0000000000040053e <+14>:
                                 lea
                                         0x1(%rdi),%eax
   0x0000000000400541 <+17>:
                                 retq
   0x00000000000400542 <+18>:
                                         $0x2,%edi
   0x00000000000400545 <+21>:
                                         (%rdi,%rdi,1),%eax
   0x00000000000400548 <+24>:
                                 reta
   0x00000000000400549 <+25>:
                                         0x3(%rdi),%eax
                                 lea
   0x0000000000040054c <+28>:
                                 test
                                         %edi,%edi
   0x0000000000040054e <+30>:
                                 cmovns %edi,%eax
                                         $0x2,%eax
   0x0000000000400551 <+33>:
                                 sar
   0x00000000000400554 <+36>:
                                 retq
                                         %edi,%eax
   0x00000000000400555 <+37>:
                                 mov
   0x0000000000400557 <+39>:
                                         $0x4,%eax
                                 shl
   0x0000000000040055a <+42>:
                                 retq
End of assembler dump.
```

Consider also the following dump:

```
(gdb) x/16gx 0x400610
0x400610:
                0x0000000000020001
                                         0x00000000000000000
0x400620:
                0x000000000040053e
                                         0x000000000040053e
0x400630:
                0x0000000000400542
                                         0x0000000000400545
0x400640:
                0x0000000000400555
                                         0x0000000000400549
0x400650:
                0x0000003c3b031b01
                                         0xfffffdb000000006
0x400660:
                0xfffffdf000000088
                                         0xfffffee000000058
                                         0xffffff40000000c8
0x400670:
                0xffffff0b000000b0
0x400680:
                0xffffffb0000000e8
                                         Cannot access memory at address 0x400688
```

UnansweredQuestion 16 0 / 3 pts

7. Assembly-Switch (15 points)

7(A) (3 points) Which of the following executes for case 3?

- lea 0x1(%rdi),%eax
- shl \$0x2,%edi

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Correct Answer	
lea (%rdi,%rdi,1),%eax	
omov %edi,%eax	
oshl \$0x4,%eax	
○ lea 0x3(%rdi),%eax	
O None of the above	
UnansweredQuestion 17	
0 / 3 pts	
7. Assembly-Switch (15 poi	nts)
7(B) (3 points) Which intege Check all that apply.	r input values are managed by non-default cases of the switch statement?
Correct Answer	
1	
Correct Answer	
2	
Correct Answer	
3	
4	
Correct Answer	
<u> </u>	
Correct Answer	
Other value(s) in addition to the	nose above
None of the above	
UnansweredQuestion 18	
0 / 3 pts	
7. Assembly-Switch (15 poi	nts)
7(C) (3 points) If there is a d	efault case, at what address, in hex, does the begin?
If there isn't a default case	e. write NONE.

• When writing an address, please do not include any leading 0s, prefixes or suffixes, or any spaces,

and please write any letters in either all upper or all lower case, not mixed case.

https://canvas.cmu.edu/courses/39145/quizzes/116802?preview=1

Your answer: [blank]

You Answered
Correct Answers
400555
0x400555
0x00000000400555
00000000400555
UnansweredQuestion 19
0 / 3 pts
7. Assembly-Switch (15 points)
7(D) (3 points) Which of the following case(s), if any, consist of exactly the same code as least one other case (no extra code, no code missing)? Check all that apply. [exact_same]
Correct Answer
□ 0
Correct Answer
■ 1
2
3
4
□ 5
None of the above
UnansweredQuestion 20
0 / 3 pts
7. Assembly-Switch (15 points)
7(E) (3 points) Which case(s), if any, fall through to the next case <i>after executing some of their own code</i> ?
o
1
Correct Answer

J	2

3

5

None of the above

8. Loops and Conditionals (12 points)

Consider the following code, under the assumption that it was compiled in the same environment using the same "shark machine" toolset you've used all semester:

```
(gdb) disassemble loop
Dump of assembler code for function loop:
   0x000000000040059d <+0>:
                                push
   0x0000000000040059e <+1>:
                                mov
                                       %rsp,%rbp
                                push
   0x000000000004005a1 <+4>:
                                       %r14
   0x00000000004005a3 <+6>:
                                push
                                       %r13
   0x00000000004005a5 <+8>:
                                push
                                       %r12
                                push
   0x000000000004005a7 <+10>:
                                       %rbx
   0x00000000004005a8 <+11>:
                                sub
                                       $0x20,%rsp
   0x000000000004005ac <+15>:
                                mov
                                       %edi,-0x34(%rbp)
                                       %esi,-0x38(%rbp)
   0x00000000004005af <+18>:
                                mov
   0x00000000004005b2 <+21>:
                                mov
                                       %edx,-0x3c(%rbp)
   0x00000000004005b5 <+24>:
                                       $0x0,%r13d
                                mov
   0x00000000004005bb <+30>:
                                mov
                                       $0x0,%r14d
   0x000000000004005c1 <+36>:
                                       $0x0,%ebx
                                mov
                                       $0x0,%r12d
   0x000000000004005c6 <+41>:
                                mov
   0x000000000004005cc <+47>:
                                       $0x64,%eax
                                mov
                                       $0x64,-0x34(%rbp)
   0x00000000004005d1 <+52>:
                                cmpl
                                cmovge -0x34(%rbp),%eax
   0x000000000004005d5 <+56>:
   0x00000000004005d9 <+60>:
                                       %eax,-0x34(%rbp)
                                mov
                                       $0x64,%eax
   0x00000000004005dc <+63>:
                                mov
   0x000000000004005e1 <+68>:
                                cmpl
                                       $0x64,-0x38(%rbp)
   0x000000000004005e5 <+72>:
                                cmovge -0x38(%rbp),%eax
   0x000000000004005e9 <+76>:
                                       %eax,-0x38(%rbp)
                                mov
   0x000000000004005ec <+79>:
                                       $0x0,%ebx
                                jmp
                                       0x40062c <loop+143>
   0x000000000004005f1 <+84>:
   0x00000000004005f3 <+86>:
                                mov
                                       $0x0,%r13d
   0x000000000004005f9 <+92>:
                                       $0x0,%r12d
                                mov
   0x00000000004005ff <+98>:
                                jmp
                                       0x400620 <loop+131>
   0x0000000000400601 <+100>:
                                lea
                                       -0x24(%rbp),%rax
   0x0000000000400605 <+104>:
                                mov
                                       %rax,%rsi
   0x0000000000400608 <+107>:
                                       $0x400710,%edi
                                mov
   0x000000000040060d <+112>:
                                mov
                                       $0x0,%eax
   0x0000000000400612 <+117>:
                                callq 0x4004a0 <__isoc99_scanf@plt>
   0x00000000000400617 <+122>:
                                mov
                                       -0x24(%rbp),%eax
   0x000000000040061a <+125>:
                                add
                                       %eax,%r13d
                                       %ebx,%r12d
   0x0000000000040061d <+128>:
                                add
   0x00000000000400620 <+131>:
                                cmp
                                       -0x38(%rbp),%r12d
   0x00000000000400624 <+135>:
                                jl
                                       0x400601 <loop+100>
   0x00000000000400626 <+137>:
                                add
                                       %r13d,%r14d
   0x00000000000400629 <+140>:
                                       $0x1,%ebx
                                add
   0x0000000000040062c <+143>:
                                       -0x34(%rbp),%ebx
                                cmp
   0x000000000040062f <+146>:
                                       0x4005f3 <loop+86>
                                jl
                                       $0x63,%r14d
   0x0000000000400631 <+148>:
                                cmp
   0x0000000000400635 <+152>:
                                       0x40063e <loop+161>
                                jg
   0x0000000000400637 <+154>:
                                       $0x64,%eax
```

```
0x400641 <loop+164>
   0x000000000040063c <+159>:
   0x000000000040063e <+161>:
                                        %r14d,%eax
   0x0000000000400641 <+164>:
                                 add
                                        $0x20,%rsp
   0x00000000000400645 <+168>:
                                        %rbx
                                 pop
   0x00000000000400646 <+169>:
                                        %r12
                                 pop
   0x00000000000400648 <+171>:
                                        %r13
                                 pop
   0x000000000040064a <+173>:
                                        %r14
                                 pop
   0x000000000040064c <+175>:
                                        %rbp
                                 pop
   0x000000000040064d <+176>:
                                 retq
End of assembler dump.
```

UnansweredQuestion 21

0 / 3 pts

8. Loops and Conditionals (12 points)

8(A) (3 points) How many loops are in the code?

- 0
- 0 1

Correct Answer

- **2**
- 3
- 4 or more

UnansweredQuestion 22

0 / 3 pts

8. Loops and Conditionals (12 points)

8(B) (3 points) What is the relationship between/among the loop(s)?

There is only one loop, so there is no relationship between or among loops

Correct Answer

- They are all nested
- One after another
- Nested and one after another

UnansweredQuestion 23

0 / 3 pts

8. Loops and Conditionals (12 points)

8(C) (3 points) Which of the following are true? Check all that apply.
Two or more loops have a loop control variable in common
Two or more loops have a stopping value in common, e.g. progress up to or down to the same number.
Correct Answer
The loop control variable (the variable used to test whether to loop again or exit the loop) of one loop is used by or within another loop
UnansweredQuestion 24
0 / 3 pts
8. Loops and Conditionals (12 points)
8(D) (3 points) How many times is the ?-operator likely used in the source C Language code?
O 0
O 1
Correct Answer
○ 2
O 3
4 or more
iii UnansweredQuestion 25

9. Memory Hierarchy (5 points)

Your goal is to design a memory system with an average access time of 1.1nS or less.

You are given the following:

- L1 cache with an access time of 1ns and a hit rate of 99%
- L2 cache with an access time of 6ns
- Main memory with an access time of 106ns

The access times for L2 and Main memory are end-to-end times, i.e., the L2 time includes the time taken to check the L1 and the Main memory time includes the time taken to check the L1 and L2.

What is the maximum permissible L2 cache miss rate, expressed as a percentage, e.g. 0 for 0% or 10 for 10%, or 12 for 12%, or 50 for 50%, or 92 for 92%. Please enter only a 1- or 2-digit number with **out** the % -sign. Do not enter fractions, values less than 1, etc. Round **up** to the nearest percent.

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You Answered	
5 (with margin: 0)	
0.05 (with margin: 0)	
UnansweredQuestion 26	
0 / 3 pts	
10. Locality (3 points)	
Consider a cache with 8 sets,	2 lines/set, and a block size of 16 bytes on a system with 4-byte ints.
What is the maximum stride (in cache miss rate of no more that	ndex step) size while sequentially accessing a 1D int array to maintain a an 42%?
You Answered	
1 (with margin: 0)	
11. Caching (10 points)	
Given a model described as fo	ollows:
Number of sets: 8	
Total size: 64 bytes (not co	ounting meta data)
Block offset bits: 2	
 Replacement policy: Set-w 	vise LRU
 8-bit addresses 	
UnansweredQuestion 27	
0 / 1 pts	
11. Caching (10 points)	
11(A) (1 point) How many line	es per set?
You Answered	

2 (with margin: 0)

UnansweredQuestion 28 0 / 1 pts

11. Caching (10 points)

11(B) (1 point) How many bytes per block?

You Answered
4 (with margin: 0)
UnansweredQuestion 29
0 / 8 pts

11. Caching (10 points)

11(C) (8 points, 0.5 points each blank): Consider the following memory access trace, which is in order and begins at the beginning of time. For each of the following memory accesses, please indicate if it hits or misses, and if it misses, if it suffers from a capacity miss, a conflict miss, or a cold miss:

Question Number	Address	Hit or Miss? Circle one (per row):	Miss Type? Circle one (per row)
11(C)(1)	0xA2	[Select]	[Select]
11(C)(2)	0xD0	[Select]	[Select]
11(C)(3)	0XD7	[Select]	[Select]
11(C)(4)	0X92	[Select]	[Select]
11(C)(5)	0XD3	[Select]	[Select]
11(C)(6)	0XB2	[Select]	[Select]
11(C)(7)	0XA1	[Select]	[Select]
11(C)(8)	0X92	[Select]	[Select]

Answer '	1:	
----------	----	--

You Answered (You left this blank)

Hit

Correct Answer

Miss

Answer 2:

You Answered (You left this blank)

N/A

Capacity

Correct Answer

Cold/Compulsory

Conflict

Answer 3:

You Answered (You left this blank)

Hit

Correct Answer

Miss

Answer 4:

You Answered (You left this blank)

N/A

Capacity

Correct Answer

Cold/Compulsory

Conflict

Answer 5:

You Answered (You left this blank)

Hit

Correct Answer

Miss

Answer 6:

You Answered (You left this blank)

N/A

Capacity

Correct Answer

Cold/Compulsory

Conflict

Answer 7:

You Answered (You left this blank)

Hit

Correct Answer

Miss

Answer 8:

You Answered (You left this blank)

N/A

Capacity

Correct Answer

Cold/Compulsory

Conflict

Answer 9:

You Answered (You left this blank)

Correct Answer

Hit

Miss

Answer 10:

You Answered (You left this blank)

Correct Answer

N/A

Capacity

Cold/Compulsory

Conflict

Answer 11:

You Answered (You left this blank)

Hit

Correct Answer

Miss

Answer 12:

You Answered (You left this blank)

N/A

Capacity

Correct Answer

Cold/Compulsory

Conflict

Answer 13:

You Answered (You left this blank)

Correct Answer

Hit

Miss

Answer 14:

You Answered (You left this blank)

Correct Answer

N/A

Capacity

Cold/Compulsory

Conflict

Answer 15:

You Answered (You left this blank)

Hit

Correct Answer

Miss

Answer 16:

You Answered (You left this blank)

N/A

Capacity

Cold/Compulsory

Correct Answer

Conflict

Quiz Score: 0 out of 100