

# [15-112] Lecture 3

**As you walk in:**

Introduce yourself to your neighbors

Questions about course  
things?

POLL ARE NEVER  
GRADED!!!

## Lecture 3 Poll 1 (SOLO)

What is the output of the following code:

```
n = 3
while n > 0:
    if n == 5:
        n = -100
    print(n)
    n = n + 1
```

A.	B.	C.	D.
3	3	3	3
4	4	4	4
	5	-100	5
			-100

# Lecture 3 Poll 1 (Take 2 - GROUP)

What is the output of the following code:

```
n = 3
while n > 0:
    if n == 5:
        n = -100
    print(n)
    n = n + 1
```

A.	B.	C.	D.
3	3	3	3
4	4	4	4
	5	-100	5
			-100

# Lecture 3 Poll 2 (SOLO)

Which one is better?

A)

```
def sumFromMToN(m, n):  
    total = 0  
    for x in range(m, n+1):  
        total += x  
    return total
```

B)

```
def sumFromMToN(m, n):  
    total = 0  
    x = m  
    while x <= n:  
        total += x  
        x += 1  
    return total
```

# Lecture 2 Poll 2 (Take 2 - GROUP)

Which one is better?

A)

```
def sumFromMToN(m, n):  
    total = 0  
    for x in range(m, n+1):  
        total += x  
    return total
```

B)

```
def sumFromMToN(m, n):  
    total = 0  
    x = m  
    while x <= n:  
        total += x  
        x += 1  
    return total
```

# Lecture 3 Poll 3 (SOLO)

Which of these correctly computes nthPrime?

A:

```
def nthPrime(n):  
    found = 0  
    guess = 0  
    while (found < n):  
        guess += 1  
        if isPrime(guess):  
            found += 1  
    return guess
```

B:

```
def nthPrime(n):  
    found = 0  
    guess = 0  
    while (found <= n):  
        if isPrime(guess):  
            found += 1  
            guess = guess+1  
    return guess
```

C. Neither

D. I Don't know

# Lecture 3 Poll 3 (SOLO)

Which of these correctly computes nthPrime?

A:

```
def nthPrime(n):  
    found = 0  
    guess = 0  
    while (found < n):  
        guess += 1  
        if isPrime(guess):  
            found += 1  
    return guess
```

B:

```
def nthPrime(n):  
    found = 0  
    guess = 0  
    while (found <= n):  
        if isPrime(guess):  
            found += 1  
            guess = guess+1  
    return guess
```

C. Neither

D. I Don't know



- Homework
- Small group
- Spicy
- Practice quiz