Quiz 10   Name_____
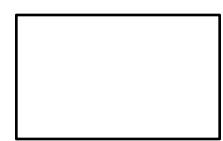
1. For each of the following functions, indicate how many times will the print statement
   be executed: (1.5 points each)

   a.

```
def f1(A):
    n = len(A)
    for i in range(n):
        print (i)
    i = 0
    while i < n//2:
        print (i)
        i = i + 1
```
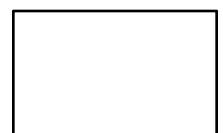
   b.

```
def f2(A):
    n = len(A)
    i = 0
    while i < n:
        print (i)
        i = i + 2
```

   c.

```
def f3(A):
    n = len(A)
    i = 1
    while i < n:
        print (i)
        i = i * 2
```

   d.

```
def f4(A):
    n = len(A)
    i = n
    while i > 0:
        print (i)
        i = i // 2
```
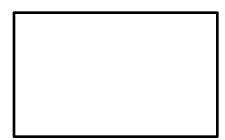
   e.

```
def f5(A):
    n = len(A)
    i = 100
    j = n
    while j >= n and i >= 0:
        print (i,j)
        i = i - 1
        j = j + 1
```

2. What would be the output of the following code: (2.5 points)

```python
def someSort(a):
    print (a)
    for end in range (0, len(a)):
        m = end
        for i in range(0,len(a)):
            if (a[i] < a[m]):
                m = i
        temp = a[end - 1];
        a[end - 1] = a[m];
        a[m] = temp;
        print (a)

someSort ([4,3,2,1])
```