CS2302 - Data Structures
Spring 2023
Quiz 1
Open Notes, you may request help from IAs, TA, or instructor

1. What is the output of the following code fragment?

```
for i in range(3):
  print(i,end=' ')
```

2. What is the output of the following code fragment?

```
for i in range(3,6):
   print(i,end=' ')
```

3. What is the output of the following code fragment?

```
for i in range(1,11,3):
   print(i,end=' ')
```

4. What is the output of the following code fragment?

```
for i in range(3):
    for j in range(3):
       print(i,j)
```

5. What is the output of the following code fragment?

```
L = [50, 35, 20, 48, 36]
print(L[2])
```

6. What is the output of the following code fragment?

```
def f(a=3, b=6):
    return a+2*b

print(f())
```

7. What is the output of the following code fragment?

```
def f(a=3, b=6):
    return a+2*b

a=5
b=8
print(f())
```

8. What is the output of the following code fragment?

```
def f(a=3, b=6):
    return a+2*b

a=5
b=8
print(f(a))
```

9. What is the output of the following code fragment?

```
def f(a=3, b=6):
    return a+2*b

a=5
b=8
print(f(b))
```

10. What is the output of the following code fragment?

```python
def f(a=3, b=6):
    return a+2*b

a=5
b=8
print(f(a,b))
```

11. What is the output of the following code fragment?

```python
def f(a=3, b=6):
    return a+2*b

a=5
b=8
print(f(b,a))
```

12. What is the output of the following code fragment?

```python
def f(a=3, b=6):
    return a+2*b

print(f(a=10))
```

13. What is the output of the following code fragment?

```python
def f(a=3, b=6):
    return a+2*b

print(f(b=10))
```

14. What is the output of the following code fragment?

```python
def f(n):
    for i in range(n):
        return i

print(f(10))
```

15. What is the output of the following code fragment?

```python
class A:
  def __init__(self, a=0,b=1,c=2):
    self.x = a
    self.y = b
    self.z = c

w = A()
print(w.z)
```

16. What is the output of the following code fragment?

```python
class A:
  def __init__(self, a=0,b=1,c=2):
    self.x = a
    self.y = b
    self.z = c

w = A(z=10)
print(w.z)
```

17. What is the output of the following code fragment?

```python
class A:
  def __init__(self, a=0,b=1,c=2):
    self.x = a
    self.y = b
    self.z = c

w = A(a=10,c=20)
print(w.y)
```