**Practice Problems for Iterations**

1. How many asterisks will the following lines of code print?

**a = 0**

**while a > 100:**

**print('\*', end='')**

**a += 1**

**print()**

1. How many asterisks will the following lines of code print?

**a = 0**

**while a < 20:**

**b = 0**

**while b < 8:**

**if (a + b) % 2 == 0:**

**print('\*', end='')**

**b += 1**

**print()**

**a += 1**

1. What is the output?

**k = 1**

**count = 0**

**while count < 10:**

**if k % 4 == 0:**

**break**

**count = count + k**

**k = k + 1**

**print(“count =”, count)**

1. Provide the exact sequence of integers specified by each of the following range expressions.

(a) range(10, 5, -1)

(b) range(20, 5, -3)

(c) range(10, 5)

(d) range(0)

(e) range(10, 101, 10)

1. Provide an equivalent Python range expression for each of the following integer sequences.

(a) 1,2,3,4,5

(b) 5,4,3,2,1

(c) 5,10,15,20,25,30

(d) 30,25,20,15,10,5

1. Rewrite the following code using a *while* statement.

**for i in range(10,100,5):**

**print(i)**