# CS150 Intro to CS1

# Control Structures

1. Assume a, b, and c have been assigned int values. Find the output of the following code segment in each of the following three cases:
   1. a = 10

if a == b:

c = a + b

elif a < b:

c = a - b

else:

c = b - a

print(c)

b = 9 a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. a = 5

b = 9 b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. a = 5

b = 5 c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OUTPUT

1. Find the output of the following code segment.

a = 10

while a < 20:

print(a)

1. Find the output of the following code segment.

for a in range(25, 5, -4):

print(a)

1. Find the output of the following code segment.

for x in range(1, 5):

for y in range(1, 5):

print("{0:5d}".format(y), end="")

print()

1. Find the output of the following code segment.

for a in range(125, 750, 200):

print("b values")

b = 1000

while b > a:

print(b, end=" ")

b = b - a

print()

print("a = ", a)

print()