1. if -3 will evaluate to True

Ans:-False

2. Given the nested if-else below, what will be the value x when the code executed successfully

x = 0

a = 5

b = 5

if a > 0:

    if b < 0:

        x = x + 5

    elif a > 5:

        x = x + 4

    else:

        x = x + 3

else:

    x = x + 2

print(x)

Ans:-3

3. What is the output of the following nested loop?

for num in range(10, 14):

   for i in range(2, num):

       if num%i == 1:

          print(num)

          break

Ans:- 10

      11

      12

      13

4. What is the output of the following loop

for l in 'Jhon':

   if l == 'o':

      pass

   print(l, end=", ")

Ans:- J, h, o, n,

5. What is the value of x after the following nested for loop completes its execution

x = 0

for i in range(10):

  for j in range(-1, -10, -1):

    x += 1

    print(x)

Ans:-90

6. Select which is true for for loop

Ans:- We use for loop when we want to perform a task indefinitely until a particular condition is met

7. What is the output of the following if statement

a, b = 12, 5

if a + b:

    print('True')

else:

  print('False')

Ans:- True

8. Given the nested if-else structure below, what will be the value of x after code execution completes

x = 0

a = 0

b = -5

if a > 0:

    if b < 0:

        x = x + 5

    elif a > 5:

        x = x + 4

    else:

        x = x + 3

else:

    x = x + 2

print(x)

Ans:- 2

9. What is the output of the following for loop and  range() function

for num in range(-2,-5,-1):

    print(num, end=", ")

Ans:- -2, -3, -4,

10. What is the value of the var after the for loop completes its execution

var = 10

for i in range(10):

    for j in range(2, 10, 1):

        if var % 2 == 0:

            continue

            var += 1

    var+=1

else:

    var+=1

print(var)

Ans:- 21

11. What is the output of the following nested loop

numbers = [10, 20]

items = ["Chair", "Table"]

for x in numbers:

  for y in items:

    print(x, y)

Ans:-10 Chair

10 Table

20 Chair

20 Table

12. What is the output of the following range() function

for num in range(2,-5,-1):

    print(num, end=", ")

Ans:-  2, 1, 0, -1, -2, -3, -4

13. What is the value of x

x = 0

while (x < 100):

  x+=2

print(x)

Ans:- 100