1.What are the two values of the Boolean data type? How do you write them?

A : True and False

2. What are the three different types of Boolean operators?

A : 1, conditional ike 2>3 == False

4 != 3 == true

if 4 < 6 = Truw

3. Make a list of each Boolean operator's truth tables (i.e. every possible combination of Boolean values for the operator and what it evaluate ).

list of boolean is [=,>,<,?,!=,^,&,or]

list = [2>3,4==5,3!=5,4<2]

4. What are the values of the following expressions?

(5 > 4) and (3 == 5) is False

not (5 > 4) False

(5 > 4) or (3 == 5) = True

not ((5 > 4) or (3 == 5)) = True

(True and True) and (True == False) = False

(not False) or (not True)= True

5. What are the six comparison operators?

==, !=, >=,<=, > , <

6. How do you tell the difference between the equal to and assignment operators?Describe a condition and when you would use one.

When assignment ,using a = sinle ,like a =5,List =[]

when spppse to do comparison so '==' required , like if a == 5 .

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs')

if spam > 5:

print('bacon')

else:

print('ham')

print('spam')

print('spam')

Ans : each 3 block is highlited

8. Write code that prints Hello if 1 is stored in spam, prints Howdy if 2 is stored in spam, and prints Greetings! if anything else is stored in spam.

spam = 0

if spam == 1: print('Hello')

elif spam == 2:print('Howdy')

else : print('Greeting')

9.If your programme is stuck in an endless loop, what keys you’ll press?

ctrl + c

10. How can you tell the difference between break and continue?

break when we requied to exit from statments

continue required for continuation of task

11. In a for loop, what is the difference between range(10), range(0, 10), and range(0, 10, 1)?

Nothing,All results is 0123456789

12. Write a short program that prints the numbers 1 to 10 using a for loop. Then write an equivalent program that prints the numbers 1 to 10 using a while loop.

for i in range(1,11): print(i)

while

13. If you had a function named bacon() inside a module named spam, how would you call it after importing spam?

def bacon():

return spam