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

True or False

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

AND, OR, NOT

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 ).

4. What are the values of the following expressions?

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

not (5 > 4) : False

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

not ((5 > 4) or (3 == 5)) : False

(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.

A=5 (Assignment operator)

A==5(equal to)

7. Identify the three blocks in this code:

Answer: three different blocked are market with three different colour.

spam = 0

if spam == 10:

print('eggs')

if spam > 5:

print('bacon')

else:

print('ham')

print('spam')

print('spam')

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=’input’

if(spam==1):

print("Hello")

elif(spam==2):

print("Howdy")

else:

print("Greetings!")

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

break

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

Break: it stop execution and exit from the loop.

Continue: A continue doesn't terminate the loop, it causes the loop to go to the next iteration.

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

Range(10):by default it is Range(0,10) 0r Range(0,10,0) , so both are same, it will execute from first position to 10 th position.

Range(0,10,1): it will execute from first position to 10th position with the jump of 1.

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)

input = 1

while input <= 10:

print(input)

input += 1

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