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

True and False, using T and rest in small, F capital rest in small letters.

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 ).

True and true = true

True or false = true

False and false = false

True and false = false

Not true = false

Not false = true

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.

Assignment = a = 1

Equal to == 1==1

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')

print(‘bacon’) and print(‘ham’) 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.

Print(“input value of spam”)

Spam=int(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?

Ctrl +C

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

Break, leaves the loop completely and executes statement after loop. It completely exits the loop

Continue leaves the current iteration and continue with next loop.

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

Range (10) means 0 to 9.

Range (0,10) it instructs to start from 0 to 9

Range(0,10,1) it starts with 0 to 9 with 1 step jump

Eg (0 1 2 3 4 5 6 7 8 9)

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.

i = 1

while i <=10:

      i = i + 1

      print(i)

for i in range(1, 11):

     print(i)

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