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

True

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 ).

And OR NOT

0 0 0 0 0 0 0 1

1 0 0 1 0 1 1 0

0 1 0 0 1 1

4. What are the values of the following expressions?

(5 > 4) and (3 == 5) T and F 🡪 F

not (5 > 4) not True 🡪 F

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

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

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

(not False) or (not True) True or False 🡪 True

5. What are the six comparison operators?

>, <, >=, <=, ==, not

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

= and ==

Simple assignment use =

Verify that both values are same use ==

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')

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.

If spam ==1: print(‘Hello’)

If 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 will come out of loop of skip the further execution and continue will as the name suggests resume the normal flow of execution

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

No difference

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(10):

Print(i+1)

i = 0

flag = True

while True:

    print(i+1)

    i = i+1

    if i >=10:

        break

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

Import spam

Spam.bacon()