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

True and False are Two Boolean value.We write them like True and False.

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

There Boolean Operaters are 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 ).

X Y AND OR

T T T T

T F F T

F T F T

F F F F

A NOT

T F

F T

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?

Six Comparision Opertator are

1>Greater then

2>Less then

3>Greater than or Equal

4>Less than or Equal

5>Equal To

6>Not Equal to

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

Equal operator is “==” and Assignment operator is =. So when have to store a value in a particular variable like i want to store 5 in A then will write A==5 but if i need to check where Value of A is equal to B then we have to write A==B.

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")

elif spam(spam==2):

Print("Howdy")

else:

("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?

The main difference between both the statements is that when break keyword comes, it terminates the execution of the current loop and passes the control over the next loop or main body, whereas when continue keyword is encountered, it skips the current iteration and executes the very next iteration in the loop.

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

The output of 3 range(10),range(0,10) and range(0,10,1) are same,

Range(10) means its start with 0 by default and end in 9 with jump of 1 by default.

Range(0,10) means its start with 0 and end in 9 with jump of 1 by default.

Range(0,10,1) means its start with 0 by default and end in 9 with 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 Loop

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

print(i)

While Loop

i = 1

while i <11:

print(i)

i += 1

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

Bacon.spam