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

Two value are True and False, these two values first letter should be capital letter or whole word should be in capital letter.

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 ).

1 Value 2Value AND OR NOT

TRUE TRUE TRUE TRUE

TRUE FALSE FALSE TRUE

FALSE TRUE FALSE TRUE

FALSE FALSE FALSE FALSE

FALSE - TRUE

TRUE - FALSE

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?

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

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 in python is denoted by "==", use for comparision purpose while assignment operator(=) is used to assign value for variale.

Suppose i need to assign variable "a" value to int then we use a=5

and example for equal operator is

if (5==5):

print("true")

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs') 1st Block

if spam > 5:

print('bacon') 2nd Block

else:

print('ham') 3rd Block

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 = int(input("spam is"))

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 statement stop the loop and continue only skip a single iteration of a loop.

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

There is no difference among these three.

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)

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