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

Ans= There are two values in Boolean data type : True,False.

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

Ans=There are three logical operator to compare the value, either True and False.

These operator 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 ).

Ans=operator what it means example

and True,if both are true x and y

Or True if alteast one is true x and y

Not True ,if only False not x

4. What are the values of the following expressions?

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

not (5 > 4) ans =False

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

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

(True and True) and (True == False) ans =False

(not False) or (not True) ans=True

5. What are the six comparison operators?

Ans= <

>

<=

>=

==

!=, these ar the comparision operator.

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

Ans= for example

A=1

B=1

A == B ,(equality operator are used to check both the element are equal value),

therefore assignment operator are used to assign the value in variable on the right

side and element on the right side, assignment operator sign is “=”.

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs') -------->Block 1

if spam > 5:

print('bacon')----------- >Block 2

else:

print('ham')

print('spam')

print('spam') ----------------- >Block3

**-------- >** Block is especially used to separated a specific block of code.

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(“enter the number”)

If spam == 1:

Print(“Hello”)

elif spam ==2:

print(“Howdy”)

else:

print(“Gretting”)

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

Ctrl+z

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

Break ---- > it is used to break the entire loop.

Continue ------- > it work as a slicing the iterable object.

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

Ans=both the three code get the same value,0,1,2,3,4,5,6,7,8,9.

Where(0,10,1),means (start:end:jump)

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.

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

Print(i)

In while loop

X=1

While x<11:

Print(x)

X=X+1

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

Ans= spam.bacon()