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

There are 2 values of Boolean data types : 1.True(1) 2.False(0)

It can be represented by &,|,&=,^=,&&,||.

There are 3 main logical operators; “and”,”or”,

“and”: If both statements true it shows true otherwise false.

“or”: It returns true if one of statement is true otherwise false.

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

1.”AND”,2.”OR”,3.”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”

True and True is true

True and False is False

False and True is False

False and False is False

“OR”

True or True is True

True or false is True

False or True is True

False or False is False

“NOT”

Not true if False

Not false if True

4. What are the values of the following expressions?

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

not (5 > 4)

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

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

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

(not False) or (not True)

1= False

2=False

3=True

4=False

5=False

6=True.

5. What are the six comparison operators?

==, !=, <, >, <=, and >=

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

== is the equal to operator that compares two values and evaluate a Boolean, While = is the assignment operators that stores a values in a variable.

Condition statement will be used in flow control statements that evaluates to a Boolean value.

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')

The 3 blocks are inside every if statements and the lines print

print(‘bacon’) and print(‘ham’)

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:

0 print(‘Hello’)

elif spam == 2:

0 print(‘Howdy’)

else:

0 print(‘Greetings!’)

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

Press CTRL -C to stop programme

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

Break statement will move the execution outside and after a loop

The continue statements will move the execution to start loop

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

Range (10): it create range that starts from 0 and goes upto 9 (not 10) start value is omitted.

Its default as 0.

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.

1.i= 1

while(i<=10):

print(i)

2. for I in range(1, 11):

print(i)

both gives the output of numbers 0 to 10.

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

Function called as spam.bacon().