1)what are the two values of the boolean data type ?how do you write them ?

Ans : True and False, using capital T and F, with the rest of the word in lowercase.

2)what are the three different type of boolean Operators?

Ans : and, or, and not these are three different type of boolean operator.

3)make a list of each boolean operators truth table .

Ans :,True and True is True.

True and False is False

False and True is False.

False and False is False.

True or True is True.

True or False is True.

False or True is True.

False or False is False.

not True is False.

not False is True.

4)what are the values of the following expression ?

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

Not(5>4)

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

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

(not false) or (not True)

Ans : False

False

True

False

False

True

5)what are the six comparison operators?

Ans : ==, !=, <, >, <=, and >=.

6)how do you tell the difference between the equal to and assignment operators ?describe the condition and when you would use one.

Ans : == is the equal to operator that compares two values and evaluates to a Boolean, while = is the assignment operator that stores a value in a variable.

A condition is an expression used in a flow control statement 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')

Ans : The three blocks are everything inside the if statement and the lines print('bacon') and print('ham').

print('eggs')

if spam > 5:

print('bacon')

else:

print('ham')

print('spam'

8)write code that prints hello if 1 stored in spam,prints howdy if 2 is stored in a spam and prints Greetings! if anything else is stored in spam.

Ans : The code:

if spam == 1:

print('Hello')

elif spam == 2:

print('Howdy')

else:

print('Greetings!')