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

True and False

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

AND, OR and 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 evaluates).

|  |  |  |
| --- | --- | --- |
| A | B | A or B |
| True | True | True |
| True | False | False |
| False | True | False |
| False | False | False |

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)

All the integer and Boolean are value

5. What are the six comparison operators?

* Equal
* Greater than
* Less than
* Greater than and less than 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 operators are used to equality of object and values

Ex: a=10, b=10 if a==b: print (“both are equal”)

* Assignment Operator are used to store object into variable

EX: a=10

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')

Three block inside the code is which comes under the if statement print('bacon') , 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.

spam=int(input())

if spam == 1:

print('Hello')

elif spam == 2:

print("howdy")

else:

print("Greeting!")

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 is use to stop the stop the loop after specific result
* Continue statement is use to skip the current execution and move to next iteration

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

* range (10) - start from 10
* range (0, 10) -start from 0 and stop at 10
* range (0, 10, 1) - start from 0, stop at 10 and step should be 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 i in range (1,11):

print(i,end=" ")

i=1

while i <=10:

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?

Spam. bacon()