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

##### TRUE , FALSE

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).

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)) == FLASE**

**(True and True) and (True == False) == FALSE**

**(not False) or (not True) == TRUE**

5. What are the six comparison operators?

**> (greater than)**

**< (less than)**

**>= (greater than equal to)**

**<= (less than equal to)**

== (Equal to)

**!= (not 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.

**A = 10 --- it assigns a value (assignment operator)**

9 == 10 --- It validates whether value on left side is equal to value on right side or not (Equal to operator)

**Example,**

**A = 10**

**B = 9**

**if (A == B) :**

**print('True')**

**else :**

**print('False')**

7. Identify the three blocks in this code:

spam = 0

if spam == 10:

print('eggs') --- block 1

if spam > 5:

print('bacon') --- block2

else:

print('ham') --- block 3

print('spam')

print('spam')

::

**spam = 0**

**if spam == 10:**

**print('eggs')**

**if spam > 5:**

print('bacon')

**else:**

**print('ham')**

**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())**

**if spam == 1:**

**print('Hello')**

**elif spam == 2:**

**print('Howdy')**

**else:**

**print('Greetings!')**

**output::**

**1**

**Hello**

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?

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

**range(10) – values o to 9**

**range(0,10)-- value start from 0 and end at 9 – range(start, stop)**

**range(0,10,1) – range(start, stop, step)**

**all produces the same result**

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)**

while ::

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

**--- I am not able to understand this question**