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

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).

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)) False

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

(not False) or (not True) True

5. What are the six comparison operators?

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

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

equal to (==) operator is a comparison operator and It is used to check if two values/variables are equal. If the condition satisfies then, it returns with True otherwise False. Whereas, assignment (=) operator is used to assign values to a variable that is assign value of right side of expression to left side operand.

For example, if we want to assign a value 5 to variable A, we will use assignment operator.

A = 5

Whereas, if we want to check two values are equal or not, we use equal to operator

“mks” == “mks”

It returns True.

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')

Block 1 – First if condition code

Block 2 – Second if condition code

Block 3 – Else condition 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 = 1

If spam == 1:

print(“Hello”)

elif spam == 2:

print(“Howdy”)

else:

print(“Greetings!”)

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

In Google Colab ctrl + M I and ctrl + c for Jupyter notebook

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)?

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.

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