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 ).

AND –True- True -> True

False- True -> False

True- False -> False

False- False -> False

OR –True- True -> True

False- True -> True

True- False -> True

False- False -> False

NOT –True -> False

False- True

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 is comparison, and assignment operator is used to assign value to a variable.

a=2, assigns 2 to a

a==2, returns boolean

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')

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:

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?

Ctrl +c

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

Break- immediate exit of the loop

Continue – begins the next iteration

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

No difference.

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)

I=1

While i<11:

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()