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 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 ).

bool(True & True) – True

bool(True & False) – False

bool(True or 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) - Ture

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?

== (equal), != (not equal), > (greater than), < (less than) >= (greater than or equal), <= (less than or equal)

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

a = 1

b = 2

if (a==b):

print ("a and b or equal")

else:

print("a and b or not equal")

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.

print("Enter the number")

spam = input()

if int(spam) == 1:

print("Hello")

elif int(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 – when condition true loop breaks

Continue – loop continues when the condition is true

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

All same

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.

i = 0

for i in range(10):

print(i)

i=i+1

i = 0

while (i<10):

print(i)

i=i+1

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

bacon()