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

True and False

True is 1 and False is 0

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 ).

True and True is True

True and False is False

False and True is False

False and False is False

True or True is True

True or False is True

False or True is True

False and False is False

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.

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')

answer

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("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 will stop the further code once it reaches the required value

Continue will enter the infinite loop if condition agrees

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

There is no difference between three different ranges, output will be 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.

for i in range(0,11,1):

print(i)

a=1

while a<11:

print(a)

if a==10:

break

a=a+1

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

Spam.bacon()

Or with object

a= spam.bacon()