1. What are the two values of the Boolean data type? How do you write them?						
True and False						
True=1						
False=2						
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).						
NOT						
1 0						
0 1						
And						
0 0 0						
0 1 0						
1 0 0						
1 1 1						
Or						
0 0 0						
0 1 1						
1 0 1						
1 1 1						

4	What are	the	values	of the	following	expressions?
4.	vviiat are	tile v	vaiues	or the	IUIIUWIIIg	expressions:

$$(5 > 4)$$
 and $(3 == 5)$ =False

not
$$(5 > 4)$$
 =False

$$(5 > 4)$$
 or $(3 == 5)$ =True

not
$$((5 > 4) \text{ or } (3 == 5))$$
 =False

5. What are the six comparison operators?

equal to, not equal to, greater than, greater than or equal to, less than, and less than or 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.

The "=" is an assignment operator that is used to assign the value on the right to the variable on the left. The '==' operator checks whether the two given operands are equal or not.

7. Identify the three blocks in this code:

$$spam = 0$$

block1

if spam == 10:

print('eggs')

block2

if spam > 5:

print('bacon')

block3

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=1
If spam == 1:
  print('Hello')
If 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: Means it break the loop and exit the loop
        Continue: But Continue it is used to skip the particular iteration
11. In a for loop, what is the difference between range(10), range(0, 10), and range(0, 10, 1)?
        The code all give same output
        The syntax of the range is (starting, ending, step)
```

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.

While LOOP

```
i=1
while i<11:
    print(i)
    i=i+1
For LOOP
for i in range(1,11):
    print(i)</pre>
```

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

import spam
spam.bacon()