Solution:
True and False are the two values of the Boolean data type.
Example:
a = True
b = False
print(type(a))
print(type(b))
Output:
<class 'bool'=""></class>
<class 'bool'=""></class>
2. What are the three different types of Boolean operators?
Solution:
Solution: AND, OR, NOT are the three different types of Boolean Operators.
AND, OR, NOT are the three different types of Boolean Operators.
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AND, OR, NOT are the three different types of Boolean Operators. Example: a = 100
AND, OR, NOT are the three different types of Boolean Operators. Example: a = 100 b = 300
AND, OR, NOT are the three different types of Boolean Operators. Example: a = 100 b = 300 print(a <b and="" b="">a)
AND, OR, NOT are the three different types of Boolean Operators. Example: a = 100 b = 300 print(a <b and="" b="">a) print(a<b b="" or="">a)
AND, OR, NOT are the three different types of Boolean Operators. Example: a = 100 b = 300 print(a <b and="" b="">a) print(a<b b="" or="">a) print(not(b>a))
AND, OR, NOT are the three different types of Boolean Operators. Example: a = 100 b = 300 print(a <b and="" b="">a) print(a<b b="" or="">a) print(not(b>a)) Output:

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

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).
Solution
Truth table for "AND" Operator

True and True is True

True and False is False

False and True is False

False and False is False

Truth table for "OR" Operator

True or True is True

True or False is True

False or True is True

False or False is True

Truth table for "NOT" Operator

not(True) is False

not(False) is True

4. What are the values of the following expressions?

not (5 > 4)

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

(not False) or (not True)

Solution:

$$1.(5 > 4)$$
 and $(3 == 5)$

Output: False

Output: False

Output: True

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

Output: False

5. (True and True) and (True == False)

Output: False

6. (not False) or (not True)

Output: True

5. What are the six comparison operators?		
Solution:		
==, !=, <, >, <=, >= this 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.		
Solution:		
Assignment Operator(=)		
If we want to assign value to a variable at that time we use Assignment Operator (=)		
Example:		
a = 5 # Assignment Operator		
print(a)		
output: 5		
Relational Operator(==)		
A relational operator is used to compare two variables or constants (==)		
Example:		
a = 5		

b = 5

Output: True

print(a==b) #Relational Operator

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') **Solution:** spam = 0if spam == 10: print('eggs') # Block 1 if spam > 5: print('bacon') # Block 2 else: print('ham') # Block 3 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.

Input:

```
def spam_function(spam):
  if (spam==1):
    print("Hello")
  elif (spam==2):
    print("Howdy")
  else:
    print('Greetings')
spam_function(1)
spam_function(2)
spam_function(3)
Output:
Hello
Howdy
Greetings
9.If your programme is stuck in an endless loop, what keys you'll press?
```

Solution:

Press ctrl - C if our program is stuck in endless loop.

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

Solution:

Break

break is used to exit while loop and for loop when certain conditions get satisfied.

Continue

continue statement will just bypass the current iteration and continue with the next iteration.

i=1	
while(i<11):	
print(i)	
i=i+1	
Output:	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

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

Solution:

Using While Loop

This function can be called with spam.bacon()