

Task:-1

Date:- 28/07/25

Task 1(a):- Running Python script and various expressions in an interactive interpreter.

Aim:- To run Python script and various expressions in an interactive interpreter.

a. create a python program to enter two numbers and then performs and displays the results of the following operations: addition, subtraction, multiplication and division.

Algorithm:

1. Start.
2. Get the two numbers and store it in variable x and y .
3. for addition do; $x+y$ and print it.
4. for subtraction do; $x-y$ and print it.
5. for multiplication do; $x*y$ and print it.
6. for Division do; x/y and print it.
7. Stop.

Output:-

Enter the first number:

Enter the second number:

Addition:

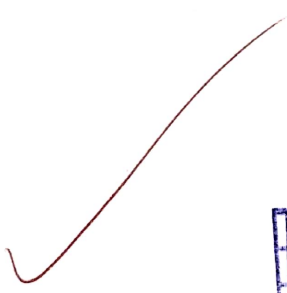
Subtraction:

Multiplication:

Division:

Program:-

```
x = int(input("Enter the first number:"))  
y = int(input("Enter the second number:"))  
  
add = x + y  
Sub = x - y  
Pro = x * y  
div = x / y  
  
Print ("Addition : ", add)  
Print ("Subtraction: ", Sub)  
Print ("Multiplication: ", Pro)  
Print ("Division: ", div)
```



WELTECH	
EX No.	
PERFORMANCE (5)	
RESIDENT ANALYSIS (5)	
VIVA VOCE (5)	
RECORD (5)	
TOTAL (20)	
SIGN WITH DATE	

Result:- Thus, the two numbers and then performs the operation of addition, subtraction, multiplication and division was successfully completed.

Task: 1(b)

Create a Python program to enter two numbers and then performs and displays the results of the following relational expression: ($>$, $<$, $=$, $==$, $!=$, $>=$, $<=$).

Algorithm:

1. Start
2. Get the input from the user and store it in a, b & c
3. Perform the relational operations.
(i.e., $>$, $<$, $=$, $==$, $!=$, $>=$, $<=$).
4. Print the results.
5. Stop.

Output:

Enter the first number: 6.

Enter the second number: 7.

Enter the third number: 8.

$6 > 7$ is false.

$6 < 7$ is true.

$8 == 6$ is false.

$8 != 7$ is true.

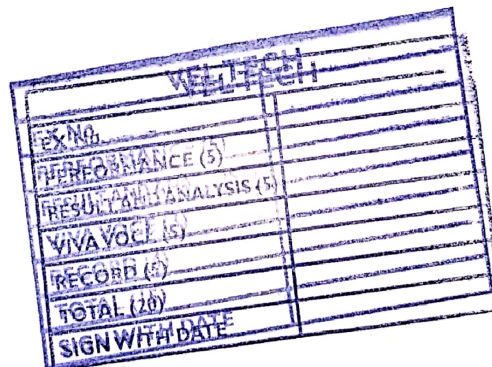
$6 >= 7$ is false.

$7 <= 6$ is false.



Program:

```
==  
# initializing the value of a, b and c.  
a = int(input("Enter the first number:"))  
b = int(input("Enter the Second number:"))  
c = int(input("Enter the third number:"))  
  
# using relational operators.  
Print (a, ">", b, "is", a > b).  
Print (a, "<", b, "is", a < b).  
Print (c, "==" , a, "is", c == a).  
Print (c, "!=" , b, "is", c != b).  
Print (a, ">=", b, "is", a >= b).  
Print (b, "<=" , a, "is", b <= a).
```



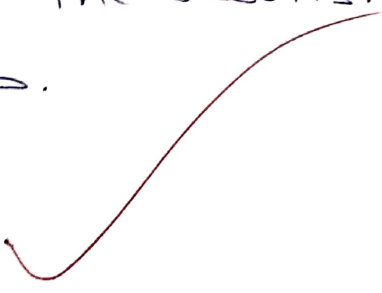
VELTACH	
EXAM	
PERFORMANCE (5)	
RESULT ANALYSIS (5)	
VIVA VOCE (5)	
RECORD (5)	
TOTAL (20)	
SIGN WITH DATE	

Result:- Thus, the two numbers and then perform the all relational operations was executed and successfully completed.

Task: ICC)

create a Python program to enter three numbers and then perform and displays the result of the following logical operations; and, or, not.

Algorithm:

1. Start.
 2. Get the input from the user.
 3. Perform the logical operations on the input.
 4. Print the results.
 5. Stop.
- 

output:

Enter the first number: 6

Enter the second number: 7

Enter the third number: 8

logical operations Results:

false

false

True

True

Program:-

Taking three numbers as input.

a = int(input("Enter the first number:"))

b = int(input("Enter the second number:"))

c = int(input("Enter the third number:"))

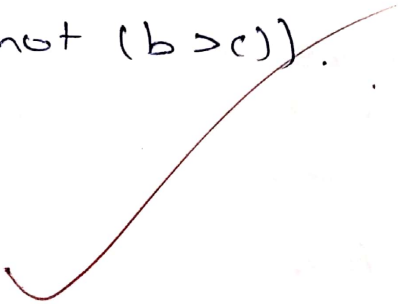
Performing logical operations.

Print ("in logical operations results:").

Print ((a > b) or (b > c)).

Print (not (a > b))

Print (not (b > c)).



VELTECH	
EX No.	
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	14
TOTAL (20)	
SIGN WITH DATE	

Result:- Thus, the three numbers, and then perform the logical operations and, or, not operations was executed and successfully completed.