

* Program :-

```

x = int(input("Enter 1st number:"))
y = int(input("Enter 2nd number:"))

add = x+y
sub = x-y
mul = x*y
div = x/y

print("Addition:", add)
print("Subtraction:", sub)
print("Multiplication:", mul)
print("Division:", div)
    
```

Date: 28/7/25

Task-2 Running Python Script and Various Expressions in an interactive interpreter.

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

Create a python program to enter two numbers and then perform and display the result of the following operation:- 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 1st number: 5
Enter the 2nd number: 6

Addition: 11

Subtraction: -1

Multiplication: 30

Division :- 0.833333333334

QUESTION 2

QUESTION 3

QUESTION 4

QUESTION 5

QUESTION 6

QUESTION 7

QUESTION 8

QUESTION 9

* P # initializing variables a, b and c.

```
a = int(input("Enter the first number :"))
b = int(input("Enter the 2nd number :"))
c = int(input("Enter the 3rd number :"))

# using relational operators:-
```

```
print(a, ">", b, "is", a > b)
print(a, "<", b, "is", a < b)
print(a, "==" , b, "is", a == b)
print(a, "!=" , b, "is", a != b)
print(a, ">=", b, "is", a >= b)
print(a, "<=", b, "is", a <= b)
```

Output of relational operators

```
Enter the first number : 5
Enter the 2nd number : 6
Enter the 3rd number : 7
```

$5 > 6$ is False

$5 < 7$ is True

$7 == 5$ is False

$7 != 5$ is True

$5 >= 6$ is False

$5 <= 6$ is True.

- Create a button program to enter two numbers and then performs and displays the results of the following relational expression:
 $>$, $<$, \geq , \leq , \neq , \geq , \leq

Algorithm:- $\text{Algorithm}(\text{button})$ {
 1. Initialize
 2. Get the input from the user and store it in a, b and c.
 3. Perform the relational operation
 4. Print the result & stop
 5. Stop.

1. Start
2. Get the input from the user and store it in a, b and c.
3. Perform the relational operation
4. Print the result & stop
5. Stop.

Output:- $\text{Algorithm}(\text{button})$ {
 1. Initialize
 2. Get the input from the user and store it in a, b and c.
 3. Perform the relational operation
 4. Print the result & stop
 5. Stop.

Done

Program:

```
a = int(input("Enter 1st number:"))
b = int(input("Enter 2nd number:"))
c = int(input("Enter 3rd number:"))
```

Print ("Logical Operations Results:")

```
print((a>b) and (b>c))
print((a>b) or (b>c))
print(not (a>b))
print(not (b>c))
```

Output:-

```
Enter 1st number: 5
Enter 2nd number: 6
Enter 3rd number: 7
```

Logical Operations Results :

False
False
True
True

- Create a python program to enter three numbers and then perform and display the results 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 inputs.
4. Print the result.
5. Stop.

VELTECH	
EX.No.	5
PERFORMANCE	5
RESULT	5
VIVA VOCE	5
RECORD	5
TOTAL	15
SIGN WITH DATE	

VELTECH	
EX.No.	5
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RESULTS:- Thus, the python program to run Python Script and various expression in an interactive interpreter was done successfully and the output was verified.