Task: 1 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 devision.

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 Devision do", x/y and print it.

7° stop

Program:

```
x= int (input ("Enter."))
y= int (input ("Enter the Second number")
add = x+y
Sub= x-y
Pro= x*y
dev = x/y
print ("Addition", add)
print ("Subtration", sub)
print ("Multiplication", pro)
print ("Devision", div)
```

output:-

Enter the First number: 8

Enter the Second number: 44

Addition: 52

Subtraction : ~~52~~ -36

Multiplication: ~~~~ 352

Division: 0.83333333333334

b. Create a python program to enter two numbers and then performs and display The results of the following relational expression: >, <==, °>,>=, <=

Algorithm:

1. start
2. Get the the input from the user and Store it in a,b&c.
3. Perform the relational operations (i.e, ><=,>=,°=,>=,<=)

4. Print the results.
5. sta

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)
```

Out put:

Enter the First number: 5

Enter the Second number: 6

Enter the Third number: 7

5 > 6 is False

5 < 6 is True

7 == 5 is False

7 != 6 is True

5 >= 6 is False

6 <= 5 is False

create a python program to enter three numbers and then performs and displays 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 results.

5. Stop

Program:

```python
# Taking three numbers as input
a= int(input("Enter the first number"))
b= int(input("Enter the second number"))

# Performing logical operations
print("In 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 the First number: 2

Enter the second number: 4

Enter the Third number: 5

Logical operations Results:

False
False
True
True

enter the first number: 2