utput:

nter the first number: 5

nter the second number: 6

~~en~~ter

ddition: 11

ubtraction: -1

ultiplication: 30

ivision: 0.8333333333334

output:

```
Enter the first number: 5
Enter the second number: 6
Enter
Addition: 11
Subtraction: -1
Multiplication: 30
Division: 0.8333333333334
```

Task 1: 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 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

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)
```

Output:

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

```
Print("subtraction:", sub)
Print("Multiplication:", Pro)
Print("Division:", div)
```

⑥ Create a python Program to enter two numbers and then performs and displays the results of the following relational expressions : >, <, ==, !=, >=, <=.

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.

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(a,">=", b,"is", a>=b)
Print(b,"<=", a,"is", b<=a)
```

output:

```
Enter the first number: 5
Enter the second number: 6
Enter the third number: 7
Logical operations Results:
False
False
True
True.
```

© 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:

```
# 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:"))
# Perform logical operations
Print("\nLogical operations Results:")
Print((a>b) and (b>c))
Print((a>b) or (b>c))
Print(not(a>b))
Print(not(b>c))
```

VEL TECH	
EX No.	1
PERFORMANCE (5)	5
RESU. ANALYSIS (5)	5
VIVA . CE (5)	5
RECORD (5)	5
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SIGN W .	

30 | 7 | 25

Result:

Thus, the Python program to run Python script and various expressions in an interactive interpreter was done successfully and the output was verified.

✓