Task-1 :- Running phyton Script and Various expressions in an interactive interpeter

Aim :-

To run phyto script and Various expressions in an interactive interpeter

A) Create a phyton program to enter two numbers and then performs and displays the results of the following operations; addition, substraction, 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 substraction do ; x-y and print it
5) for multiplication do ; x*y and print it
6) for division do ; x/y and print it

Program

```
x= int(input("Enter the first number:"))
x= 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)
```

Output :-

Enter the First number: 2

Enter the Second number: 3

addition = 5

Subtraction = -1

Multiplication = 6

Division = 0.666666

b. Create a phyton 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
4) Start (print the results)
5) Stop.

Program :-

```
# intializing 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)
```

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

Output:-

Enter the first number = 5

Enter the second number = 6

Enter the third number = 7

logical Operations Results:-

False

False

True

True.

c) Create a phyton 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 users
3) Perform the logical operations on the inputs.
4) print the results
5) stop.

Program:-

```
# taking three number as input
Print.
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 ("\n logical operations Results :")
Print ((a>b) and (b>c))
Print ((a>b) or (b>c))
Print (not (a>b))
Print (not (b>c))
```

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EX No.	1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	20
SIGN WITH DATE	

Result:- Thus, the phyton program phyton script and various expression in an interactive interpreter was done successfully and the output was verified

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