Task-1: Running python script and Vari--ous expressions in an interactive inter -ituatoo preter Aim:-To run Python script and various expressions in an interactive interpreter. a) Create a Python Program to enter two number rs and then performs and displays the results of the following operations: addition, subtraction, Multiplication, and division: Algorithm: 2. Get the two numbers and store it in variable x 3. For addition do; x+yand point it. 4. for subtration do; x-y and printite 5. For Multiplication do; x*yand printit. 6. for division do; x/yand printit. (Program:x=int(input("enter the first number:")) y=int(input("enterthe second number:")) add = x+Y Sub = x-Y bro = xxx div = x/y Print ("Addition:", add) Print ("subtraction:", sub) Print ("Multiplication:", pro) Print ("Division:", div)

inov born trying prodity primost: 1-sless cos expressions in an interactive inter output: Preter Enter the first number: 5 -: miA Enter the second number: 6 rational authoritation and an 200 Addition: 11,000 morporg northy of stooms (0 Subtraction: -1 sub biro comolisque and bord es Multiplication: 30
Division: 0.8333333333339 3. GET the two numbers and store it in variouse -: Orad firepla 3. For oddorff or doing paint it en establishion do x-xand printite 5 tor Mortiple Cathondo; xxy and printit e tor division doix/yond pantit. ((in port ("Enter the first nombers)) -; morpores V= iot ("input ("enterthy secondination)) The state of the s Kax OLES (bbo ": nothibba") fairs (610=11:000Hoppidus) 1000 (org Month of Hones of the

b) Create a python program to enter two numb ers and then Derforms and displays The results of the following relational expre ssion: >, L,== != ,>=, <= Algorithm: 2. Get the input from the user and store itina, blo 3. Performthe relational operations(ie,>, 4,=,==, !=,>=, <=) 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 ("enterthe second number:")) c= int (input ("enter the Third number:")) #using relational operations Print (a,">",b, "is",a>b) Print (a, "z", b, "is", a < b) Print(c, "==", a, is", c==a) Print (c, "!=", a, "is", c!=b) Print (a,">=", b,"is", a>=b) Print (b," <=", a, "is", b <= a)

output:

Enter the first number: 9 enter the second number: 4 enter the third number: 6

924 is True
924 is false
6==9 is false
6!=9 is ture
9>=4 is True
42=9 is True

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c) create a python program to enter three number 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. Per form 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 ("enterthesecond number:")) C= int(input ("enter the Third number:")) # Performing logical operations Print ("In logical operations Results:") Print (casb) and (b>9) Print ((a>b) or (b>0) Print ((a>b)) VELTECH Print (not (a>b)) Print (not (b>9) PERFORMANCE (5) RESULT AT JANALYSIS (5) VIVA VOCE (5) PRINT Thus, the Python program toron python Result:

Thus, the python program toron python Script and various expressions in an interactive script and various expressions in an interactive interpreter was done successfully and the output was verified.

output: of money and the street and Enter the first number: 6 E = 1 = = 1 = 100 123 Enter the second number: 7 :matinopla Enter the Third number: 8 YYOTE . I worth mont rugal adt + 38.6 Logical operations results: false (= x = = = 1 false SHOESK SULL AUILD .10 True 9052.0 True thinitializing the value of a, b, and c a=int(input("enter the first numbers:")) b=ini(input ("enterthe second numbers")) (" int (input ("enter the "third number;")) # Using relationaloperations (Print (a,">", b," "15", a,b) (d)"2",d(")"(a)) fair9 (Print(C"="0"18", C==0) (d=10" (2" (")" (")" (0) (d=10) (d=10 (print (b,"2=", a,"13", b/20)

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