**EXPERIMENT NO-4**

**Write a python program to evaluate expressions and display formated output**

**SOURCE CODE:-**

a=20

b=10

sum=a+b

diff=a-b

print("the value of a is {} and b is {}".format(a,b))

print("{2} is the sum of{0} and {1}".format(a,b,sum))

print("{2} is the diff of {0} and {1}".format(a,b,diff))

print('{diff\_value}is the subtration of{value\_a} and {value\_b}'.format (value\_a=a,value\_b=b,diff\_value=diff))

**OUTPUT:-**

C:\Users\SYS13\AppData\Local\Programs\Python\Python312\python.exe "C:\Users\SYS13\PycharmProjects\SARATHI\exp 4.py"

the value of a is 20 and b is 10

30 is the sum of20 and 10

10 is the diff of 20 and 10

10is the subtration of20 and 10

Process finished with exit code 0

**INPUT:-**

a=50

b=40

sum=a+b

diff=a-b

print("the value of a is {} and b is {}".format(a,b))

print("{2} is the sum of{0} and {1}".format(a,b,sum))

print("{2} is the diff of {0} and {1}".format(a,b,diff))

print('{diff\_value}is the subtration of{value\_a} and {value\_b}'.format (value\_a=a,value\_b=b,diff\_value=diff))

**OUTPUT:-**

the value of a is 50 and b is 40

90 is the sum of50 and 40

10 is the diff of 50 and 40

10is the subtration of50 and 40

**INPUT:-**

a=70

b=40

sum=a+b

diff=a-b

print("the value of a is {} and b is {}".format(a,b))

print("{2} is the sum of{0} and {1}".format(a,b,sum))

print("{2} is the diff of {0} and {1}".format(a,b,diff))

print('{diff\_value}is the subtration of{value\_a} and {value\_b}'.format (value\_a=a,value\_b=b,diff\_value=diff))

**OUTPUT:-**

the value of a is 70 and b is 40

110 is the sum of70 and 40

30 is the diff of 70 and 40

30is the subtration of70 and 40