



ASSIGNMENT



1. Write a program to perform mathematical operations

Program:

```
def operate():
    print("1.Addition \n2.Subtraction \n3.Multiplication \n4.Division\n5.Modulus\n6.Power")
    no=int(input("choice b/w 1 to 6:"))
    print(no)
    no1=int(input("Enter first number:"))
    no2=int(input("Enter second number:"))
    if no==1:
        print("Sum of",no1,"and",no2,"is:",no1+no2)
        repeaton()
    elif no==2:
        print("Diff of",no1,"and",no2,"is:",no1-no2)
        repeaton()
    elif no==3:
        print("Mul of",no1,"and",no2,"is:",no1*no2)
        repeaton()
    elif no==4:
        print("Div of",no1,"and",no2,"is:",no1/no2)
        repeaton()
    elif no==5:
        print("Mod of",no1,"and",no2,"is:",no1%no2)
        repeaton()
    else:
        print("Pow of",no1,"and",no2,"is:",no1**no2)
        repeaton()
def repeaton():
    rp=input("Do you want to repeat Y/N:")
    if rp=='Y' or rp=='y':
        operate()
    if rp=='N' or rp=='n':
        print("Stopped")
operate()
```

Output:

1.Addition

2.Subtraction

3.Multiplication

4.Division

5.Modulus

6.Power

choice b/w 1 to 6:2

2

Enter first number:8

Enter second number:2

Diff of 8 and 2 is: 6

Do you want to repeat Y/N:Y

1.Addition

2.Subtraction

3.Multiplication

4.Division

5.Modulus

6.Power

choice b/w 1 to 6:6

6

Enter first number:2

Enter second number:3

Pow of 2 and 3 is: 8

Do you want to repeat Y/N:N

Stopped