

```
def add(a,b):
    return a+b
def subtract(a,b):
    return a-b
def multiply(a,b):
    return a*b
def division(a,b):
    if b==0:
        return "Error -> Denominator is Zero!!"
    else:
        return a/b
def floor_division(a,b):
    if b==0:
        return "Error -> Denominator is Zero!!"
    else:
        return a//b
def exponential(a,b):
    return a**b
def modulus(a,b):
    return a%b

def Calculator():
    print("Select Any one Operation: ")
    print("1. ADD")
    print("2. SUBTRACT")
    print("3. MULTIPLICATION")
    print("4. DIVISION")
    print("5. FLOOR_DIVISION")
    print("6. EXPONENTIAL")
    print("7. MODULUS")
    print("8. EXIT")

    while True:
        choose = input(" Select-> 1/2/3/4/5/6/7/8: ")

        if choose in ('1','2','3','4','5','6','7'):
            try:
                n1 = int(input("Enter a number1: "))
                n2 = int(input("Enter a number2: "))
            except:
                print("Enter a numeric values and make note that n2 will not be zero...")
            if choose=='1':
                print("Sum is : ",add(n1,n2))
            elif choose=='2':
                print("Subtraction : ",subtract(n1,n2))
            elif choose=='3':
                print("Multiplication : ",multiply(n1,n2))
            elif choose=='4':
                print("Division: ",division(n1,n2))
            elif choose=='5':
                print("Floor division: ",floor_division(n1,n2))
            elif choose=='6':
                print("Expontential: ",exponential(n1,n2))
            elif choose=='7':
                print("Modulus: ",modulus(n1,n2))
```

```
    else:
        print("Invalid Option choose please select a valid option")
    else:
        if choose=='8':
            break
        else:
            print("Choose Valid Option...!!!")
```

Calculator()



Select Any one Operation:

```
1. ADD
2. SUBTRACT
3. MULTIPLICATION
4. DIVISION
5. FLOOR_DIVISION
6. EXPONENTIAL
7. MODULUS
8. EXIT
Select-> 1/2/3/4/5/6/7/8: 1
Enter a number1: 64
Enter a number2: 5
Sum is : 69
Select-> 1/2/3/4/5/6/7/8: 2
Enter a number1: 666
Enter a number2: 523
Substraction : 143
Select-> 1/2/3/4/5/6/7/8: 3
Enter a number1: 5
Enter a number2: 3
Multiplication : 15
Select-> 1/2/3/4/5/6/7/8: 4
Enter a number1: 25
Enter a number2: 5
Division: 5.0
Select-> 1/2/3/4/5/6/7/8: 5
Enter a number1: 60
Enter a number2: 10
Floor division: 6
Select-> 1/2/3/4/5/6/7/8: 6
Enter a number1: 2
Enter a number2: 3
Exponential: 8
Select-> 1/2/3/4/5/6/7/8: 7
Enter a number1: 100
Enter a number2: 10
Modulus: 0
Select-> 1/2/3/4/5/6/7/8: 8
```

