

S.No: 4	Exp. Name: Arithmetic Operations (Addition, Subtraction, Multiplication, Division)	Date:2024-08-10
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Aim:

Write a program to read two integer inputs from the user and perform the following arithmetic operations **addition, subtraction, multiplication, and division**, and print the result.

Input layout:

The first two lines represent the input of 2 integers **num1 and num2**.

Output layout:

- First line should print the addition of provided inputs.
- First line should print the subtraction of provided inputs.
- First line should print the multiplication of provided inputs.
- First line should print the division of provided inputs.

Example1:

Input:

num1: 40
num2: 20

Output:

- Addition of 40 and 20 = 60
- Subtraction of 40 and 20 = 20
- Multiplication of 40 and 20 = 800
- Division of 40 and 20 = 2.0

Source Code:

Arithexample2.py

```
num1 = int(input("num1: "))
num2 = int(input("num2: "))
print("Addition of", num1,"and",num2, "=",(num1+num2))
print("Subtraction of", num1, "and",num2, "=",(num1-num2))
print("Multiplication of",num1,"and",num2, "=",(num1*num2))
print("Division of",num1,"and",num2, "=",(num1/num2))
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
num1: 40
num2: 20
Addition of 40 and 20 = 60
Subtraction of 40 and 20 = 20
Multiplication of 40 and 20 = 800
Division of 40 and 20 = 2.0
Test Case - 2
User Output

num1: 4
num2: 6
Addition of 4 and 6 = 10
Subtraction of 4 and 6 = -2
Multiplication of 4 and 6 = 24
Division of 4 and 6 = 0.6666666666666666