

**Name: Bonumaddi Naga Pravallika**

**No: 120CS0121**

**Mini Project : Text Base Calculator**

**Technologies used : Basic Python**

### **Description:**

Using this project, we will learn to create a simple calculator that can add, subtract, multiply or divide depending upon the input from the user.

### **Sorce Code:**

```
'''
***** BASIC CALCULATOR *****
Here we can find
1. Addition
2. Subtraction
3. Multiplication
4. Division of 2 Numbers'''
print("+ Addition")
print("- Subtraction")
print("* Multiplication")
print("/ Division")

operator = input("Enter any Operator : ")
num1 = float(input("Enter Number 1 : "))
num2 = float(input("Enter Number 2 : "))

if operator == "+":
    print(num1, "+", num2, "=", (num1+num2))
elif operator == "-":
    print(num1, "-", num2, "=", (num1-num2))
elif operator == "*":
    print(num1, "*", num2, "=", (num1*num2))
elif operator == "/":
    if num2 == 0:
        print("Divide by 0. So it's an Error")
    else:
        print(num1, "/", num2, "=", (num1/num2))
else:
    print("Invalid Operator")

'''
***** END OF THE PROGRAM *****
'''
```

## Output:

### Addition:

```
Run: main ×
C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\venv\bin\python.exe C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\main.py
+ Addition
- Subtraction
* Multiplication
/ Division
Enter any Operator : +
Enter Number 1 : 4.8
Enter Number 2 : 1
4.8 + 1.0 = 5.8

Process finished with exit code 0
```

### Subtraction:

```
Run: main ×
C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\venv\bin\python.exe C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\main.py
+ Addition
- Subtraction
* Multiplication
/ Division
Enter any Operator : -
Enter Number 1 : 4.5
Enter Number 2 : 3.5
4.5 - 3.5 = 1.0

Process finished with exit code 0
```

```
Run: main ×
C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\venv\bin\python.exe C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\main.py
+ Addition
- Subtraction
* Multiplication
/ Division
Enter any Operator : -
Enter Number 1 : 3
Enter Number 2 : 4
3.0 - 4.0 = -1.0

Process finished with exit code 0
|
```

## Multiplication:

```
Run: main x
C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\venv\bin\python.exe C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\main.py
+ Addition
- Subtraction
* Multiplication
/ Division
Enter any Operator : *
Enter Number 1 : 3
Enter Number 2 : 0
3.0 * 0.0 = 0.0

Process finished with exit code 0
```

## Division:

```
Run: main x
C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\venv\bin\python.exe C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\main.py
+ Addition
- Subtraction
* Multiplication
/ Division
Enter any Operator : /
Enter Number 1 : 8
Enter Number 2 : 5
8.0 / 5.0 = 1.6

Process finished with exit code 0
|
```

```
Run: main x
C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\venv\bin\python.exe C:\Users\PRAVALLIKA\PycharmProjects\Mini_Project\main.py
+ Addition
- Subtraction
* Multiplication
/ Division
Enter any Operator : /
Enter Number 1 : 6
Enter Number 2 : 0
Divide by 0. So it's an Error

Process finished with exit code 0
|
```