Mini project Report

# **Make a Simple Calculator – Python**

Submitted by

Nitesh Gupta ( 230060800046 )

Under Supervision of:

D.r Manoj Kumar



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Government Polytechnic Mandi Adampur ( 125052 )

Created April - 25

# **CONTENTS –** *page no…*

**Make a Simple Calculator – in Python about …………………………………………………………………… 1**

**Command-Line Calculator Explanation……………………………………………....... 2 -4**

* **Function Definitions:**
* **User Menu Display:**
* **User Input:**
* **Conditional Execution:**
* **Invalid Selection Handling:**
* **Make a Simple Calculator – in Python**
* ***In this*** *article, we will create a simple calculator that can perform basic arithmetic operations like addition, subtraction, multiplication and division. We will explore two implementations for**the same:*
* ***Command-Line Calculator Explanation***
* *This version of the calculator takes user input and performs operations based on the selected option.*

*def add(n1, n2):*

*return n1 + n2*

*def sub(n1, n2):*

*return n1 - n2*

*def mul(n1, n2):*

*return n1 \* n2*

*def div(n1, n2):*

*return n1 / n2*

*print("Please select operation -\n"*

*"1. Add\n"*

*"2. Subtract\n"*

*"3. Multiply\n"*

*"4. Divide\n")*

*sel = int(input("Select operation (1-4): "))*

*n1 = int(input("Enter first number: "))*

*n2 = int(input("Enter second number: "))*

*if sel == 1:*

*print(n1, "+", n2, "=", add(n1, n2))*

*elif sel == 2:*

*print(n1, "-", n2, "=", sub(n1, n2))*

*elif sel == 3:*

*print(n1, "\*", n2, "=", mul(n1, n2))*

*elif sel == 4:*

*print(n1, "/", n2, "=", div(n1, n2))*

*else:*

*print("Invalid input")*

**Output:**

Please select operation -  
1. Add  
2. Subtract  
3. Multiply  
4. Divide  
  
Select operation (1-4): 1  
Enter first number : 15  
Enter second number : 14  
15 + 14 = 29

**Explanation:**

* ***Function Definitions:*** *add(), subtract(), multiply() and divide() perform their respective mathematical operations.*
* ***User Menu Display:*** *Prints a menu with four arithmetic operations.*
* ***User Input:*** *Takes operation choice (1-4) and two numbers.*
* ***Conditional Execution:*** *Calls the corresponding function based on user input and prints the result.*
* ***Invalid Selection Handling:*** *Displays “Invalid input” if the user enters an incorrect option.*