

CODEWAY

Task-1:- CALCULATOR

Design a simple calculator with basic arithmetic operations. Prompt the user to input two numbers and an operation choice. Perform the calculation and display the result.

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In [2]: # Function to add two numbers
def add(x, y):
    return x + y

# Function to subtract two numbers
def subtract(x, y):
    return x - y

# Function to multiply two numbers
def multiply(x, y):
    return x * y

# Function to divide two numbers
def divide(x, y):
    if y != 0:
        return x / y
    else:
        return "Error: Division by zero"

# Get input from the user
num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))

# Display operation choices
print("Select operation:")
print("1. Addition")
print("2. Subtraction")
print("3. Multiplication")
print("4. Division")

# Get operation choice from the user
choice = input("Enter choice (1/2/3/4): ")

# Perform the calculation based on the user's choice
if choice == '1':
    result = add(num1, num2)
    operation = '+'
elif choice == '2':
    result = subtract(num1, num2)
    operation = '-'
elif choice == '3':
    result = multiply(num1, num2)
    operation = '*'
elif choice == '4':
    result = divide(num1, num2)
    operation = '/'
else:
    print("Invalid Input")
    exit()

# Display the result
if isinstance(result, str):
    print(result)
else:
    print("The Answer is:- "f"{num1} {operation} {num2} = {result}")
```

```
Enter the first number: 500
Enter the second number: 50
Select operation:
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter choice (1/2/3/4): 4
The Answer is:- 500.0 / 50.0 = 10.0
```

Thankyou !

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