codeway task-2

In [1]:

```python
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y == 0:
        return "Error: Division by zero"
    else:
        return x / y

def main():
    print("Simple Calculator")
    print("Operations:")
    print("1. Addition (+)")
    print("2. Subtraction (-)")
    print("3. Multiplication (*)")
    print("4. Division (/)")

    choice = input("Enter operation choice (1/2/3/4): ")

    num1 = float(input("Enter first number: "))
    num2 = float(input("Enter second number: "))

    if choice == '1':
        result = add(num1, num2)
        print(f"{num1} + {num2} = {result}")
    elif choice == '2':
        result = subtract(num1, num2)
        print(f"{num1} - {num2} = {result}")
    elif choice == '3':
        result = multiply(num1, num2)
        print(f"{num1} * {num2} = {result}")
    elif choice == '4':
        result = divide(num1, num2)
        print(f"{num1} / {num2} = {result}")
    else:
        print("Invalid operation choice.")

if __name__ == "__main__":
    main()
```

```
Simple Calculator
Operations:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
Enter operation choice (1/2/3/4): 1
Enter first number: 500
Enter second number: 500
500.0 + 500.0 = 1000.0
```

In [2]:

```python
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y == 0:
        return "Error: Division by zero"
    else:
        return x / y

def main():
    print("Simple Calculator")
    print("Operations:")
    print("1. Addition (+)")
    print("2. Subtraction (-)")
    print("3. Multiplication (*)")
    print("4. Division (/)")

    choice = input("Enter operation choice (1/2/3/4): ")

    num1 = float(input("Enter first number: "))
    num2 = float(input("Enter second number: "))

    if choice == '1':
        result = add(num1, num2)
        print(f"{num1} + {num2} = {result}")
    elif choice == '2':
        result = subtract(num1, num2)
        print(f"{num1} - {num2} = {result}")
    elif choice == '3':
        result = multiply(num1, num2)
        print(f"{num1} * {num2} = {result}")
    elif choice == '4':
        result = divide(num1, num2)
        print(f"{num1} / {num2} = {result}")
    else:
        print("Invalid operation choice.")

if __name__ == "__main__":
    main()
```

```
Simple Calculator
Operations:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
Enter operation choice (1/2/3/4): 2
Enter first number: 50
Enter second number: 60
50.0 - 60.0 = -10.0
```

In [3]:

```python
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y == 0:
        return "Error: Division by zero"
    else:
        return x / y

def main():
    print("Simple Calculator")
    print("Operations:")
    print("1. Addition (+)")
    print("2. Subtraction (-)")
    print("3. Multiplication (*)")
    print("4. Division (/)")

    choice = input("Enter operation choice (1/2/3/4): ")

    num1 = float(input("Enter first number: "))
    num2 = float(input("Enter second number: "))

    if choice == '1':
        result = add(num1, num2)
        print(f"{num1} + {num2} = {result}")
    elif choice == '2':
        result = subtract(num1, num2)
        print(f"{num1} - {num2} = {result}")
    elif choice == '3':
        result = multiply(num1, num2)
        print(f"{num1} * {num2} = {result}")
    elif choice == '4':
        result = divide(num1, num2)
        print(f"{num1} / {num2} = {result}")
    else:
        print("Invalid operation choice.")

if __name__ == "__main__":
    main()
```

```
Simple Calculator
Operations:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
Enter operation choice (1/2/3/4): 3
Enter first number: 60
Enter second number: 62
60.0 * 62.0 = 3720.0
```

In [4]:

```python
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y == 0:
        return "Error: Division by zero"
    else:
        return x / y

def main():
    print("Simple Calculator")
    print("Operations:")
    print("1. Addition (+)")
    print("2. Subtraction (-)")
    print("3. Multiplication (*)")
    print("4. Division (/)")

    choice = input("Enter operation choice (1/2/3/4): ")

    num1 = float(input("Enter first number: "))
    num2 = float(input("Enter second number: "))

    if choice == '1':
        result = add(num1, num2)
        print(f"{num1} + {num2} = {result}")
    elif choice == '2':
        result = subtract(num1, num2)
        print(f"{num1} - {num2} = {result}")
    elif choice == '3':
        result = multiply(num1, num2)
        print(f"{num1} * {num2} = {result}")
    elif choice == '4':
        result = divide(num1, num2)
        print(f"{num1} / {num2} = {result}")
    else:
        print("Invalid operation choice.")

if __name__ == "__main__":
    main()
```

```
Simple Calculator
Operations:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
Enter operation choice (1/2/3/4): 4
Enter first number: 50
Enter second number: 2
50.0 / 2.0 = 25.0
```

In [ ]: