

```
# Function to perform arithmetic operations
```

```
def calculator(num1, num2, operation):
```

```
    if operation == 1:
```

```
        return num1 + num2
```

```
    elif operation == 2:
```

```
        return num1 - num2
```

```
    elif operation == 3:
```

```
        return num1 * num2
```

```
    elif operation == 4:
```

```
        if num2 != 0:
```

```
            return num1 / num2
```

```
        else:
```

```
            return "Division by zero is not allowed!"
```

```
    else:
```

```
        return "Invalid Operation!"
```

```
# Main Program
```

```
print("Simple Calculator")
```

```
print("1. Addition")
```

```
print("2. Subtraction")
```

```
print("3. Multiplication")
```

```
print("4. Division")
```

```
print("3. Multiplication")  
print("4. Division")
```

```
# Taking input from the user  
num1 = float(input("Enter first number: "))  
num2 = float(input("Enter second number:  
"))  
operation = int(input("Enter your choice  
(1/2/3/4): "))
```

```
# Calling the function and displaying the  
result  
result = calculator(num1, num2,  
operation)  
print("Result:", result)  
``
```