

```
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 x / y  
    else:  
        return "Error: Cannot divide by zero."
```

```
def main():  
    print("Welcome to the Simple  
Calculator!")  
    num1 = float(input("Enter the first  
number: "))  
    num2 = float(input("Enter the second
```

number: "))

```
print("\nChoose an operation:")
```

```
print("1. Add")
```

```
print("2. Subtract")
```

```
print("3. Multiply")
```

```
print("4. Divide")
```

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

```
if choice == '1':
```

```
    result = add(num1, num2)
```

```
elif choice == '2':
```

```
    result = subtract(num1, num2)
```

```
elif choice == '3':
```

```
    result = multiply(num1, num2)
```

```
elif choice == '4':
```

```
    result = divide(num1, num2)
```

```
else:
```

```
    result = "Invalid choice. Please select
```

1, 2, 3, or 4."

```
print(f"Result: {result}")
```

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

'''