

```
#StartOfTheProject
```

```
def calculate_voltage(current, resistance):  
    return current * resistance
```

```
def calculate_resistance(voltage, current):  
    return voltage / current
```

```
def calculate_current(voltage, resistance):  
    return voltage / resistance
```

```
print("Ohm's Law Calculator")
```

```
print("This calculator will help us compute Resistance, Current, and Voltage of an electronic  
circuit")
```

```
print("1. Compute Voltage (V)")
```

```
print("2. Compute Resistance (R)")
```

```
print("3. Compute Current (I)")
```

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

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

```
    current = float(input("Enter current (I): "))
```

```
    resistance = float(input("Enter resistance (R): "))
```

```
    print("Voltage (V) = ", calculate_voltage(current, resistance))
```

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

```
    voltage = float(input("Enter voltage (V): "))
```

```
    current = float(input("Enter current (I): "))
```

```
    print("Resistance (R) = ", calculate_resistance(voltage, current))
```

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

```
    voltage = float(input("Enter voltage (V): "))
```

```
    resistance = float(input("Enter resistance (R): "))
```

```
    print("Current (I) = ", calculate_current(voltage, resistance))
```

```
else:
```

```
    print("Invalid input")
```

main.py +

```
1 #StartOfTheProject
2
3 def calculate_voltage(current, resistance):
4     return current * resistance
5
6 def calculate_resistance(voltage, current):
7     return voltage / current
8
9 def calculate_current(voltage, resistance):
10    return voltage / resistance
11
12 print("Ohm's Law Calculator")
13 print("This calculator will help us compute Resistance, Current, and Voltage of an electronic circuit")
14
15 print("1. Compute Voltage (V)")
16 print("2. Compute Resistance (R)")
17 print("3. Compute Current (I)")
18
19 choice = input("Enter choice (1/2/3): ")
20
21 if choice == '1':
22     current = float(input("Enter current (I): "))
23     resistance = float(input("Enter resistance (R): "))
24     print("Voltage (V) = ", calculate_voltage(current, resistance))
25
26 elif choice == '2':
27     voltage = float(input("Enter voltage (V): "))
28     current = float(input("Enter current (I): "))
29     print("Resistance (R) = ", calculate_resistance(voltage, current))
30
31 elif choice == '3':
32     voltage = float(input("Enter voltage (V): "))
33     resistance = float(input("Enter resistance (R): "))
34     print("Current (I) = ", calculate_current(voltage, resistance))
35
36 else:
37     print("Invalid input")
```

