Exercise 1(java)

Code:

import java.util.Scanner;

public class electricbill {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("Enter name: ");

String name = sc.nextLine();

int units=200;

System.out.print("Enter type (domestic/commercial): ");

String type = sc.nextLine();

double bill = 0;

if (type.equalsIgnoreCase("domestic")) {

if (units <= 100) {

bill = units \* 1;

}

if (units > 100 && units <= 200) {

bill = units\*2.5;

}

if (units > 200 && units <= 500) {

bill = units\* 4;

}

if (units > 500) {

bill = units \* 6;

}

}

if (type.equalsIgnoreCase("commercial")) {

if (units <= 100) {

bill = units \* 2;

}

if (units > 100 && units <= 200) {

bill = units\* 4.5;

}

if (units > 200 && units <= 500) {

bill = units\* 6;

}

if (units > 500) {

bill = units\* 7;

}

}

System.out.println("\nElectricity Bill");

System.out.println("Name: " + name);

System.out.println("Units: " + units);

System.out.println("Type: " + type);

System.out.println("Total Bill:" + bill);

}

}

Output:

Enter name: john

Enter type (domestic/commercial): domestic

Electricity Bill

Name: john

Units: 200

Type: domestic

Total Bill:500.0