ELECTRICITY BILL CREATION USING JAVA

Electricity.java

```
package electricity;
import java.io.*;
import java.util.*;
public class Electricity {
   /**
    * @param args the command line arguments
    *
    */
   Scanner s=new Scanner(System.in);
   public void bill(float bill,String type,int unit)
   {
      float billDuty,EBbill=bill,eDuty = 0;
      if(type=="Commercial")
      {
      if(bill>10)
      {
      if(bill >= 1000)
      {
         eDuty = (float) 0.09;
         billDuty = (float) (bill * eDuty);
         EBbill = billDuty + bill;
      }
      if(bill >= 5000)
      {
         eDuty = (float) 0.06;
         billDuty = (float) (bill * eDuty);
         EBbill = billDuty + bill;
```

```
    }
    if(bill < 5000)
    {
        eDuty = (float) 0.02;
        billDuty = (float) (bill * eDuty);
        EBbill = billDuty + bill;
    }
    }
    }
    System.out.println("***ELECTRICITY BILL***");
    System.out.println("TYPE             : "+type);
    System.out.println("UNIT             : "+unit);
    System.out.println("Unit Amount      : "+bill);
    System.out.println("Electricity Duty  : "+eDuty);
    System.out.println("Final Amount     : "+EBbill);
}
public void Domestic()
{
    int unit,diff,c=0;
    float f1,f2,amt = -1,rem;
    System.out.println("Enter the unit of current consumed=");
    unit=s.nextInt();
    if(unit>200)
    {
        System.out.println("Invalid Unit.Please Enter the Valid data.");
        c=1;
    }
    else
    {
        if(unit>100)
```

```
        {
            diff = unit - 100;
            f1 = (float) (2.3 * 50);
            f2 = (float) (4.2 * 50);
            rem = (float) (5.5 * diff);
            amt = f1 + f2 + rem;
        }
        else if(unit<100)
        {
             diff = unit - 100;
            f1 = (float) (2.3 * 50);
            rem = (float) (5.5 * diff);
            amt = f1 + rem;
        }
    }
    if(c==0)
    bill(amt,"Domestic",unit);
}
 public void commercial()
{
    int unit,c=0,diff;
    float f1,f2,amt = -1,rem;
    System.out.println("Enter the unit of current consumed=");
    unit=s.nextInt();
    if(unit>200)
    {
        System.out.println("Invalid Unit.Please Enter the Valid data.");
        c=1;
    }
    else
```

```
    {
        if(unit>100)
        {
            diff = unit - 100;
            f1 = (float) (5.2 * 50);
            f2 = (float) (6.8 * 50);
            rem = (float) (8.3 * diff);
            amt = f1 + f2 + rem;
        }
        else if(unit<100)
        {
             diff = unit - 100;
            f1 = (float) (5.2 * 50);
            rem = (float) (8.3 * diff);
            amt = f1 + rem;
        }
    }
    if(c==0)
    bill(amt,"Commercial",unit);
}
public static void main(String[] args) {
    // TODO code application logic here
    Electricity e = new Electricity();
     Scanner s=new Scanner(System.in);
    int ch;
        System.out.println("1. Domestic Connection, 2.Commercial Connection");
    ch=s.nextInt();
    switch(ch)
    {
        case 1:e.Domestic(); break;
```

```
            case 2:e.commercial();break;
        }
    }
}
```

OUTPUT

```
1. Domestic Connection, 2.Commercial Connection
1
Enter the unit of current consumed=
180
***ELECTRICITY BILL***
TYPE            : Domestic
UNIT            : 180
Unit Amount      : 765.0
Electricity Duty  : 0.0
Final Amount     : 765.0
BUILD SUCCESSFUL (total time: 5 seconds)
```

2.

```
run:
1. Domestic Connection, 2.Commercial Connection
2
Enter the unit of current consumed=
190
***ELECTRICITY BILL***
TYPE            : Commercial
UNIT            : 190
Unit Amount      : 1347.0
Electricity Duty  : 0.09
```

```
Final Amount      : 1468.23
BUILD SUCCESSFUL (total time: 11 seconds)
```