**ELECTRICITY BILL CREATIONUSING 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)