**Chris and Dolly were discussing about their monthly bills to be paid in the due time and**

**identified that they are pending in paying the electrical bill and Dolly asks for the electrical**

**bill details. Here are the details given by Chris for the payment of bill. Generate electricity**

**bill based on numbers of units consumed**

**• if units are <50 then rate per unit is 2RS.**

**• Units are >= 51 and <= 100 then rate per unit is 3RS.**

**• units are>= 101 and <= 300 then rate per unit is 5 Rs and add extra 100Rs to the total**

**bill.**

**• units are >=301 and <= 450 then rate per unit is 6RS and add extra 200 RS to the**

**total bill**

**• units are >450 then per unit is 8RS and add extra 250 RS to the total bill.**

**Now your task is to identify the units utilized and the amount to be pay.**

**public** **class** HomeElectricbill {

**private** String c1name;

**private** **int** customerno;

**private** **int** Unit;

**public** **void** setCName(String cname)

{

c1name = cname;

}

**public** **void** setCNumber(**int** cno)

{

customerno = cno;

}

**public** **void** setUnit(**int** U)

{

Unit=U;

}

**public** String getCName()

{

**return** c1name;

}

**public** **int** getCNumber()

{

**return** customerno;

}

**public** **int** getUnit()

{

**return** Unit;

}

**public** **int** TotalBill( )

{

**int** charge;

**int** Fine;

**if**(Unit<=50)

charge=2;

**else** **if**(Unit>=51 && Unit<=100)

charge = 3;

**else** **if**(Unit>=101 && Unit<=300)

charge = 5+100;

**else** **if**(Unit>=301 && Unit<=450)

charge = 6;

**else**

charge = 8 ;

**if**(Unit<=50)

Fine=0;

**else** **if**(Unit>=51 && Unit<=100)

Fine = 0;

**else** **if**(Unit>=101 && Unit<=300)

Fine = 100;

**else** **if**(Unit>=301 && Unit<=450)

Fine = 200;

**else**

Fine = 250 ;

**return** (Unit\*charge+Fine);

}

**public** String toString( )

{

String str;

str = String.*format*("Customer Name :%s%nCustomer Number :%d%n Unit consumed=%d%n"

+ "Billed to be Paid :%d%n",getCName(),getCNumber(),getUnit(),TotalBill( ));

**return** str;

}

}

**import** java.util.Scanner;

**public** **class** HomeElectricbillDemo {

**public** **static** **void** main(String[] args) {

Scanner s= **new** Scanner(System.***in***);

HomeElectricbill e = **new** HomeElectricbill( );

System.***out***.println("Enter the customer Name=");

e.setCName(s.next( ));

System.***out***.println("Enter the customer Id=");

e.setCNumber(s.nextInt( ));

System.***out***.println("Enter the unit consumed=");

e.setUnit(s.nextInt());

System.***out***.println(e);

}

}

OUTPUT:

Text

Description automatically generated