**Electricity bill.Create a class with the following private members:Consumer no.,consumer name, previous month reading, current month reading.Compute the bill amount using the following tarriff in compute Bill ()that returns the amount for the difference of current and previous month readings.Code the toString() method . Calculate the amount to be paid as follows: First 100 units-Rs.1 per unit,101-200 units-Rs.2:50 per unit,201-500 units-Rs.4 per unit,501 units and above -Rs.6 per unit.In the main() method of BillDemo class create object of electricbill class ,set the values of instance data members and print the bill.Assume input through console**

**package** pack7;

**class** ElectricBill {

**private** String c1name;

**private** **int** c1no;

**private** **int** pread;

**private** **int** cread;

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

{

c1name = cname;

}

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

{

c1no = cno;

}

**public** **void** setPReading(**int** preading)

{

pread= preading;

}

**public** **void** setCReading(**int** creading)

{

cread = creading;

}

**public** String getCName()

{

**return** c1name;

}

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

{

**return** c1no;

}

**public** **int** getPReading1()

{

**return** pread;

}

**public** **int** getCReading1()

{

**return** cread;

}

**public** **float** computeBill( )

{

**int** diff = cread- pread;

**float** charge;

**if**(diff<=100)

charge=1.0F;

**else** **if**(diff>=101 && diff<=200)

charge = 2.50F;

**else** **if**(diff>=201 && diff<=500)

charge = 5.00F;

**else**

charge = 6.00F;

**return** (diff\*charge);

}

**public** String toString( )

{

String str;

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

+ "Current Reading :%d%nPrevious Reading :%d%n"

+ "Billed to be Paid :%f%n",getCName(),getCNumber(),getPReading1(),

getCReading1(), computeBill( ));

**return** str;

}

}

**package** pack7;

**import** java.util.Scanner;

**public** **class** ElectricDemo {

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

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

ElectricBill e = **new** ElectricBill( );

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 previous reading=");

e.setPReading(s.nextInt( ));

System.***out***.println("Enter the current reading=");

e.setCReading(s.nextInt( ));

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

}

Output

Graphical user interface, text, application, email

Description automatically generated