**Ex No: 1.** Develop a Java application to generate Electricity bill. Create a class with the following members: Consumer no., consumer name, previous month reading, current month reading, type of EB connection (i.e domestic or commercial). Compute the bill amount using the following tariff.

If the type of the EB connection is domestic, 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 - Rs. 6 per unit

If the type of the EB connection is commercial, calculate the amount to be paid as follows:

 First 100 units - Rs. 2 per unit

 101-200 units - Rs. 4.50 per unit

 201 -500 units - Rs. 6 per unit

 > 501 units - Rs. 7 per unit

**Program:**

import java.util.\*;

class customerdata

{

Scanner in = new Scanner(System.in);

Scanner ins = new Scanner(System.in);

String cname,ctype;

int bn;

double current,previous,tbill,units;

void getdata()

{

System.out.print ("\n\t Enter consumer number ");

bn = in.nextInt();

System.out.print ("\n\t Enter Type of connection (D for Domestic or C for Commercial) ");

ctype = ins.nextLine();

System.out.print ("\n\t Enter consumer name ");

cname = ins.nextLine();

System.out.print ("\n\t Enter previous month reading ");

previous= in.nextDouble();

System.out.print ("\n\t Enter current month reading ");

current= in.nextDouble();

}

void calc()

{

units=current-previous;

if(ctype.equals("D"))

{

if (units<=100)

tbill=1 \* units;

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

tbill=2.50\*units;

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

tbill= 4\*units;

else

tbill= 6\*units;

}

else

{

if (units<=100)

tbill= 2 \* units;

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

tbill=4.50\*units;

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

tbill= 6\*units;

else

tbill= 7\*units;

}

}

void display()

{

System.out.println("--------------------------------------------------------------“);

System.out.println("\n\t Consumer number = "+bn);

System.out.println ("\n\t Consumer name = "+cname);

if(ctype.equals("D"))

System.out.println ("\n\t type of connection = DOMESTIC ");

else

System.out.println ("\n\t type of connection = COMMERCIAL ");

System.out.println ("\n\t Current Month Reading = "+current);

System.out.println ("\n\t Previous Month Reading = "+previous);

System.out.println ("\n\t Total units = "+units);

System.out.println ("\n\t Total bill = RS "+tbill);

System.out.println("--------------------------------------------------------------“);

}

}

class ebill

{

public static void main (String args[])

{

customerdata ob = new customerdata();

ob.getdata();

ob.calc();

ob.display();

}

}

**OUTPUT**

