Program:

Import java.util.Scanner;

Public class EbBill {

Public static void main(String[] args) {

Int unit, prev, curr, cnum, choice;

String cname;

Double bill = 0;

Scanner input = new Scanner(System.in);

System.out.print(“Consumer Number: “);

Cnum = input.nextInt();

System.out.print(“Consumer Name: “);

Input.nextLine(); // consume newline

Cname = input.nextLine();

System.out.print(“Previous month reading: “);

Prev = input.nextInt();

System.out.print(“Current month reading: “);

Curr = input.nextInt();

System.out.print(“Enter 1 for Domestic or 2 for Commercial: “);

Choice = input.nextInt();

Unit = curr – prev;

Switch (choice) {

Case 1: // Domestic

If (unit <= 100) {

Bill = unit \* 1;

} else if (unit > 100 && unit <= 200) {

Bill = 100 \* 1 + (unit – 100) \* 2.50;

} else if (unit > 200 && unit <= 500) {

Bill = 100 \* 1 + 100 \* 2.50 + (unit – 200) \* 4;

} else {

Bill = 100 \* 1 + 100 \* 2.50 + 300 \* 4 + (unit – 500) \* 6;

}

Break;

Case 2: // Commercial

If (unit <= 100) {

Bill = unit \* 2;

} else if (unit > 100 && unit <= 200) {

Bill = 100 \* 2 + (unit – 100) \* 4.50;

} else if (unit > 200 && unit <= 500) {

Bill = 100 \* 2 + 100 \* 4.50 + (unit – 200) \* 6;

} else {

Bill = 100 \* 2 + 100 \* 4.50 + 300 \* 6 + (unit – 500) \* 7;

}

Break;

Default:

System.out.println(“Invalid choice!”);

Return;

}

System.out.println(“\tEb Bill Calculation”);

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

System.out.println(“Consumer Name: “ + cname);

System.out.println(“Consumer Number: “ + cnum);

System.out.println(“Previous Month Reading: “ + prev);

System.out.println(“Current Month Reading: “ + curr);

System.out.println(“Type of Connection: “ + (choice == 1 ? “Domestic” : “Commercial”));

System.out.println(“Total Charge: Rs. “ + bill);

}

}

Output :

Consumer Number: 12345

Consumer Name: suwedhika

Previous month reading: 500

Current month reading: 650

Enter 1 for Domestic or 2 for Commercial: 1

Eb Bill Calculation

Consumer Name: suwedhika

Consumer Number: 12345

Previous Month Reading: 500

Current Month Reading: 650

Type of Connection: Domestic

Total Charge: Rs. 225.0

=== Code Execution Successful ===