```java
/*
 *      A program which calculates and displays the electricity bill, based upon the
 *      following table :
 *
 *              ------------------------------------------------------------------
 *              Units consumed (kWh)    |       Price per unit in the slab (Rs)
 *              ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
 *                 < 100                |               5
 *                   100  -  150        |               6
 *                   150  -  200        |               7
 *                 >       200          |               8
 *              ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
 */

import java.util.Scanner;

class ElectricityBill {
        public static void main (String[] args) {
                System.out.print("Enter the number of units consumed : ");
                double units = (new Scanner(System.in)).nextDouble();
                double bill = 0;
                if (units < 100)
                        bill += (5.00 * units);
                else if (units < 150)
                        bill += (5.00 * 100) + (6.00 * (units - 100));
                else if (units < 200)
                        bill += (5.00 * 100) + (6.00 * 50) + (7.00 * (units - 150));
                else
                        bill += (5.00 * 100) + (6.00 * 50) + (7.00 * 50)
                                + (8.00 * (units - 200));
                System.out.printf("Your bill amount is : Rs. %9.2f%n", bill);
        }
}

/*
 *      Variable Description :
 *      --------------------------------------------------------------------------------
 *      Serial no. |    Variable name    |       Data type        |       Purpose
 *      ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
 *         1       |     units           |       double           |  Stores the number
 *                 |                     |                        |  of units
 *      -----------+---------------------+------------------------+-----------------------
 *         2       |     bill            |       double           |  Stores the bill
 *                 |                     |                        |  amount
 *      ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
 */
```