Bill Slab Programming

Program

Logic

Syntax

Problem Statement 1

- WAP to input number of calls in a month and print the bill according to rate given below:

No. of Calls	Rate
1 - 200	2
201 - 350	1.5
351 - 500	1
More than 500	0.5

- Explanation: If the number of calls in a month is 300, then the bill will be calculated as : From 1st to 200th - 2rs/call, then from 201th to 300th – 1.5rs/call.

- The total bill will be: 2*200+(300-200)*1.5 = 550Rs.

Problem Statement 2

1. WAP to input number of working hours of a worker and print their salary according to the rate given below; also take Minimum Rate = ₹2500:

No. of Hours	Rate/Hour
First 100	50
Next 50	70
Next 30	90
More than that	110

- Explanation: If the number of working hours of a worker is 200 , then the salary will be calculated as : For first 100 hours – 50Rs/hour, then for next 50 hours – 70Rs/hour, then for next 30 hours – 90 Rs/hour then for next 20(200-180) – 110 Rs/hour

- The total salary will be: 100*50+50*70+30*90+20*110 = 13400 + 2500 = 15900/-

Problem Statement 3

1. WAP to input basic salary and find TA, DA and PF according to the table given table and find the net salary of the employee where net salary is Basic+TA+DA-PF

	Basic <= 15000	Basic > 15000
TA	30% of Basic	20% of Basic
DA	25% of Basic	15% of Basic
PF	14.25% of Basic	12.5% of Basic

- Explanation: If the basic salary of an employee is 19500 , then the salary will be calculated as : As salary>15000 then TA= 20% of 19500, DA = 15% of 19500 and PF = 12.5% of 19500.

- The total salary will be: 19500+3900+2925-2437.5 = 26325Rs

Solution of Problem 1

```java
import java.util.*;
class calls{

    public static void main(String Args[]){

        int calls;

        double bill;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the number of calls");

        calls = sc.nextInt();

        if(calls>=1 && calls<=200){

            bill = calls*2;

        }
        else if(calls>200 && calls<=350){
            bill = 200*2+(calls-200)*1.5;
        }
        else if(calls>350 && calls<=500){
            bill = 200*2 + 150*1.5 +(calls-350)*1;
        }
        else{
            bill = 200*2 + 150*1.5 + 150*1+ (calls-500)*0.5;
        }
        System.out.println("Total bill is "+bill);
    }
}
```

Solution of Problem 2

```java
import java.util.*;

class worker {

    public static void main(String Args[])    {

        int hours,salary,net_salary;

        Scanner sc= new Scanner(System.in);

        hours = sc.nextInt();

        if(hours<=100){

            salary = hours*50;

        }

        else if(hours>100 && hours<=150) {

            salary = 100*50+(hours-100)*70;

        }

        else if(hours>150 && hours<=180){

            salary = 100*50 +50*70 + (hours-150)*90;

        }
        else{
            salary = 100*50 + 50*70 + 30*90 + (hours-180)*110;
        }
        net_salary = salary+2500;
        System.out.println("the net salary is:"+  net_salary);
    }
}else if(calls>200 && calls<=350){
        bill = 200*2+(calls-200)*1.5;
    }
    else if(calls>350 && calls<=500){
        bill = 200*2 + 150*1.5 +(calls-350)*1;
    }
    else{
        bill = 200*2 + 150*1.5 + 150*1+ (calls-500)*0.5;
    }
    System.out.println("Total bill is "+bill);
```

Solution of Problem 3

```java
import java.util.*;

class salary {

    public static void main(String Args[ ]) {

        double basic,ta,da,pf, net;

        Scanner sc= new Scanner(System.in);

        System.out.print("Enter basic salary");

        basic= sc.nextDouble();

        if(basic<=15000) {

            ta= 0.3*basic;

            da= 0.25*basic;

            pf= 0.1425*basic;

            net= basic+ta+da-pf;

        }
        else
            {
                ta= 0.2*basic;
                da= 0.15*basic;
                pf= 0.125*basic;
                net= basic+ta+da-pf;
            }
            System.out.println("the net salary is:"+net);
        }
    }
```