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```
import java.util.*;  
class Patient  
{  
    int PatientID, age;  
    String Name;  
    String Address;  
    String Asso Doctor;  
    Patient()  
    {  
        System.out.println("Enter the PatientID");  
        Scanner sc = new Scanner(System.in);  
        PatientID = sc.nextInt();  
        System.out.println("Enter age");  
        age = sc.nextInt();  
        System.out.println("Enter name");  
        Name = sc.next();  
        System.out.println("Enter Address");  
        Address = sc.next();  
        System.out.println("Enter doctor name");  
        Asso Doctor = sc.next();  
    }  
}  
class Outpatient extends Patient  
{  
    int number-of-visits;  
    Outpatient void accept()
```

```

}
Scanner sc = new Scanner(System.in);
System.out.println("Enter the no of times visited");
no of visits = sc.nextInt();
}

```

```

void display()
{
System.out.println(" --- DETAILS --- ");
System.out.println(" Name: " + name);
System.out.println(" ID: " + PatientID);
System.out.println(" Age: " + age);
System.out.println(" Address: " + Address);
System.out.println(" Doctor : " + Asso-Doctor);
System.out.println(" No of visits: " + no of visits);
}
}

```

class Admitted extends Patient.

```

{
So Double billamount;
Scanner sc = new Scanner(System.in);
System.out.print
void accept()
{
System.out.println("Enter the billamount");
billamount = sc.nextDouble();
}
void discount()
{
if (billamount > 100000).
billamount = billamount - (billamount * (10.0/100))
else if (billamount > 50000)

```

```

billamount = billamount - (billamount * (5.0/100.0))
else if (billamount >= 2500)
    billamount = billamount - (billamount * (2.0/100.0))
else if (billamount / 42500)
    billamount = billamount
}
void display (int x)
{
    System.out.println ("The bill amount of PatientID : " + patientID + " is : " +
        billamount);
}
}

```

```

class PatientMain
{
    public static void main (String args[])
    {
        int m, n, count = 0;
        OutPatient o[];
        Admitted a[];
        System.out.println ("Enter no of Outpatients and admitted patients
            respectively");
        Scanner sc = new Scanner (System.in);
        m = sc.nextInt();
        n = sc.nextInt();
        o = new OutPatient[m];
        a = new Admitted[n];
        System.out.println ("Enter details of Outpatients");
        for (int i = 0; i < m; i++) {
            o[i] = new OutPatient();
            System.out.println

```

```

o[i].accept();
if (o[i].no-of-visits > 5)
    count++;
}
System.out.println("Enter details of Admitted Patients");
for (int i=0; i<n; i++)
{
    a[i] = new Admitted();
    a[i].accept();
    a[i].discount();
    a[i].display();
}
System.out.println("No of patients visited more than 5 times: "
    + count);
System.out.println("Details of patients visited more than 5 times");
for (int i=0; i<m; i++)
{
    if (o[i].no-of-visits > 5)
        o[i].display();
}
}

```