QUESTION:-2

```java
import java.util.Scanner;
class student{
student(){

}

void getTotalGQ(int n,int gq[],int sum_gq[]){
Scanner sc=new Scanner(System.in);
    int a=0,b=0,c=0,d=0,e=0,f=0,g=0,h=0,l=0,j=0,k=0;
        for(int i=0;i<n;i++){
        if(gq[i]==0)
        {
            a++;
        }
        if(gq[i]==1)
        {
            b++;
        }
        if(gq[i]==2)
        {
            c++;
        }
        if(gq[i]==3)
        {
            d++;
        }
        if(gq[i]==4)
        {
            e++;
        }
        if(gq[i]==5)
        {
            f++;
        }
        if(gq[i]==6)
        {
            g++;
        }
        if(gq[i]==7)
        {
            h++;
        }
        if(gq[i]==8)
        {
            l++;
        }
        if(gq[i]==9)
        {
            j++;
        }
        if(gq[i]==10)
        {
            k++;
        }
    }
    sum_gq[0]=a;
    sum_gq[1]=b;
    sum_gq[2]=c;
    sum_gq[3]=d;
    sum_gq[4]=e;
    sum_gq[5]=f;
    sum_gq[6]=g;
    sum_gq[7]=h;
    sum_gq[8]=l;
    sum_gq[9]=j;
    sum_gq[10]=k;
System.out.println("GQ Marks        Number of Students");
```

```java
for(int i=0;i<11;i++)
System.out.println(i+"          "+sum_gq[i]);
}

void getTotalGPA(int n,float gpa[],int sum_gpa[]){
    int a=0,b=0,d=0,c=0;
    for(int i=0;i<n;i++){
        if(gpa[i]==(float)0.0)
        {
            a++;
        }
        if(gpa[i]==(float)0.3)
        {
            b++;
        }
        if(gpa[i]==(float)0.6)
        {
            c++;
        }

        if(gpa[i]==(float)1)
        {
            d++;
        }
    }
    sum_gpa[0]=a;
    sum_gpa[1]=b;
    sum_gpa[2]=c;
    sum_gpa[3]=d;
System.out.println("GPA Marks          No of Students");
System.out.println("0        "+sum_gpa[0]);
System.out.println("0.3    "+sum_gpa[1]);
System.out.println("0.6    "+sum_gpa[2]);
System.out.println("1        "+sum_gpa[3]);

}

void getTotalCount(int n,int gq[],float gpa[],int count[][]){
    int a=0,b=0,c=0,d=0,x=0,y=0;
    for(int i=0;i<n;i++){
        for(int j=0;j<11;j++){
            if(gq[i]==j&&gpa[i]==(float)0.0)
                a++;
            if(gq[i]==j&&gpa[i]==(float)0.3)
                b++;
            if(gq[i]==j&&gpa[i]==(float)0.6)
                c++;
            if(gq[i]==j&&gpa[i]==(float)1)
                d++;
        }
        count[x][0]=a;
        count[x][1]=b;
        count[x][2]=c;
        count[x][3]=d;
      x++;
    }
//System.out.println("");
System.out.println("GQ/GPA        0      0.3      0.6      1      Total ");
for(int i=0;i<11;i++)
{
    System.out.print(""+i+"\t");
    for(int j=0;j<4;j++)
    System.out.print(count[i][j]+"\t");
    System.out.println();
}
}
}

class demo{

static int sum_gq[]=new int[100];
```

```java
static int sum_gpa[]=new int[100];
static int count[][]=new int[100][100];

public static void main(String arg[]){
    int numOfStudents;
    int roll[]=new int[100];
    int gq[]=new int[100];
    float gpa[]=new float[100];
Scanner sc=new Scanner(System.in);
System.out.println("Enter num of students");
numOfStudents=sc.nextInt();
gpa=new float[numOfStudents];
for(int i=0;i<numOfStudents;i++)
{
    System.out.println("ENter roll ,Marks in GQ,Marks in GPA");
    roll[i]=sc.nextInt();
    gq[i]=sc.nextInt();
    gpa[i]=sc.nextFloat();
}
student obj=new student();
obj.getTotalGQ(numOfStudents,gq,sum_gq);
obj.getTotalGPA(numOfStudents,gpa,sum_gpa);
obj.getTotalCount(numOfStudents,gq,gpa,count);
}
}
```