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import java.util.Random;
import java.util.Scanner;

public class Main /**class main*/
{
    private static final int MAX_PLAYS = 10;
    //Landing events for an object of this class
    private int landed[];
    //non static method
    public void simulatePlay(int numPlays)
    {
        //generate random number
        Random rand= new Random();
        // new variables
        int k,hallValue;
        landed=new int [numPlays];
        //loop for num of plays times
        for(int i=1; i<=numPlays; i++)
        {
            //generate a number between 1 and 100
            k= rand.nextInt(100)+1;
            //get hall value
            if(k<=5)
                hallValue=80;
            else if(k>=6 && k<=15)
                hallValue=60;
            else if (k>=16 && k<=30)
                hallValue=40;
            else if (k>=31 && k<=45)
                hallValue=20;
            else if(k>=46 && k<=65)
                hallValue=10;
            else
                hallValue=0;

            //choose the hall value in which it landed
            switch (hallValue)
            {
                case 0:
                    System.out.println("Rolling ball #"+ i +"Landed in 0");
                    break;
                case 10:
                    System.out.println("Rolling ball #"+ i +"Landed in 10");
                    break;
                case 20:
                    System.out.println("Rolling ball #"+ i +"Landed in 20");
                    break;
                case 40:
                    System.out.println("Rolling ball #"+ i +"Landed in 40");
                    break;
                case 60:
                    System.out.println("Rolling ball #"+ i +"Landed in 60");
                    break;
                case 80:
                    System.out.println("Rolling ball #"+ i +"Landed in 80");
                    break;
            }
            landed[i-1]=hallValue;
        }
        System.out.println();
    }
    /**Displays the results of the simulatedPlays with the total points*/
    public void displayStats()
    {
        //result
        int total=0;
        //print header
        System.out.println("+-----+-----+");
        System.out.printf("|%5s %5s\n", "Play #", "Score|");
        System.out.println("+-----+-----+");
        //for loop
        for(int i=0; i<landed.length; i++)
        {
            System.out.printf("|%5d %5d\n", (i+1), landed[i]);
            total += landed[i];
        }
        System.out.println("+-----+-----+");
        //print total score
        System.out.println("\nTotal: "+ total);
    }
    public static void main(String[] args) //main method
    {
        //input
        Scanner sc = new Scanner(System.in);
        //new variables
        int numPlays;
    }
}

```

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do{
    //collect the input
    System.out.print("Enter the number of plays(1-10)?");
    numPlays=sc.nextInt();
}
while (!(numPlays >=1 && numPlays <= MAX_PLAYS));
Main j=new Main();
//invoke the method simulatePlay
j.simulatePlay(numPlays);
//invoke the method displayStats
j.displayStats();
}
}
```