

```

1 //3rd question
2 import java.util.*;
3 public class Players
4 {
5     public static String[] playerDetails()
6     {
7         Scanner sc=new Scanner(System.in);
8         System.out.print("Enter number of players");
9         int n=sc.nextInt();
10        while(n<1||n>4)
11        {
12            System.out.println("Enter number between 1 and 4");
13            n=sc.nextInt();
14        }
15        sc.nextLine();
16        String[]playerName=new String[n];
17        System.out.println("Enter names of each player");
18        for(int i=0;i<n;i++)
19        {
20            playerName[i]=sc.nextLine();
21        }
22        sc.close();
23        return playerName;
24    }
25    public static void main(String[] args)
26    {
27        System.out.println("Ch.RamanaRohitj");
28        System.out.println("SAP ID: 51834534");
29        String[] playerName=playerDetails();
30        System.out.println("Details of the players");
31        for(int i=0;i<playerName.length;i++)
32        {
33            System.out.println(i+1+" . "+playerName[i]);
34        }
35    }
36 }

```

× Terminal



Ch.RamanaRohitj

SAP ID: 51834534

Enter number of players: 3

Enter names of each player

[NOTE: PRESS ENTER AFTER EVERY NAME]

rammana

rohith

chadaram

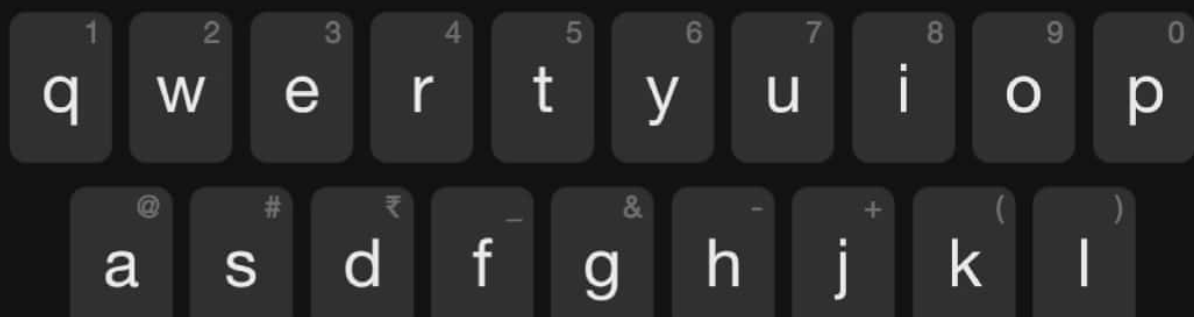
Details of the players:

1. rammana

2. rohith

3. chadaram

Process finished.



```

1 //4thquestion
2 import java.util.*;
3 public class Main
4 {
5     static int factorial(int a)
6     {
7         int res = 1;
8         for (int m = 2; m <= a; m++)
9             res *= m;
10        return res;
11    }
12    static double sum(int a)
13    {
14        double sum = 0;
15        for (int m = 1; m <= a; m++)
16            sum += 1.0/factorial(m);
17        return sum;
18    }
19    public static void main (String[] args)
20    {
21        Scanner sc=new Scanner(System.in);
22        System.out.println("Ch.RamanaRohith\n");
23        System.out.print("Enter integer:");
24        int a = sc.nextInt();
25        System.out.println(sum(a));
26    }
27 }

```

× Terminal



```

Ch.RamanaRohith
51834534
Enter integer:4
1.7083333333333335

```

```

1 //5thquestion
2 import java.util.*;
3 public class Main
4 {
5     static int summation(int a)
6     {
7         int sum = 0, y = 1;
8         for (int x = 1; x <= a; x++)
9         {
10             sum = sum + y;
11             y = (y * 10) + 1;
12         }
13         return sum;
14     }
15     public static void main(String args[])
16     {
17         Scanner sc =new Scanner(System.in);
18         System.out.println("Ch.RamanaRohith\n");
19         System.out.print("Enter integer:");
20         int a =sc.nextInt();
21         System.out.println(summation(a));
22     }
23 }

```

✕ Terminal



```

Ch.RamanaRohith
51834534
Enter integer:5
12345

```