

```
1 import java.util.Arrays;
2 import java.util.Scanner;
3
4 public class Game {
5     public static void main(String args[]) {
6         Scanner s = new Scanner(System.in);
7         System.out.println("Author : J Sri Sai Man");
8         System.out.println("SAP ID : 51834596");
9         System.out.println("Enter the length of th");
10        int length = s.nextInt();
11        if( length <1|| length>4){
12            System.out.println("enter number between");
13        }
14        else{
15            String [] myArray = new String[length];
16            System.out.println("Enter the names of pla");
17
18            for(int i=0; i<length; i++ ) {
19                myArray[i] = s.nextLine();
20            }
21            System.out.println("Names of players");
22            System.out.println(Arrays.toString(myArray));
23        }
24    }
25 }
```

X Terminal



Author : J Sri Sai Manoj

SAP ID : 51834596

Enter the length of the array:

4

Enter the names of players

manoj

muneer

padma sai

Names of players

[, manoj, muneer, padma sai]

Process finished.

```
1 import java.io.*;
2 import java.util.*;
3 class ValueOfSeries
4 {
5     static double sum(int n)
6     {
7         double sum = 0;
8         int fact = 1;
9         for (int i = 1; i <= n; i++)
10        {
11            fact *= i;
12            sum += 1.0/fact;
13        }
14        return sum;
15    }
16    public static void main (String[] args) {
17        Scanner sc = new Scanner (System.in);
18        System.out.println("Author : J Sri Sai Manoj");
19        System.out.println("SAP ID : 51834596");
20        System.out.println("enter the number");
21        int n = sc.nextInt();
22        System.out.println("Sum: "+sum(n));
23    }
24 }
```

X Terminal



```
Author : J Sri Sai Manoj
SAP ID : 51834596
enter the number
5
Sum: 1.7166666666666668
```

```
Process finished.
```

```
1 import java.io.*;
2 import java.util.*;
3 class SumOfSeries
4 {
5     static int summation(int n)
6     {
7         int sum = 0, j = 1;
8         for (int i = 1; i <= n; i++)
9         {
10             sum = sum + j;
11             j = (j * 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("Author : J Sri Sai Manoj");
19         System.out.println("SAP ID : 51834596");
20         System.out.println("enter the number");
21         int n = sc.nextInt();
22         System.out.println("Output: "+summation(n));
23     }
24 }
```

X Terminal



```
Author : J Sri Sai Manoj
SAP ID : 51834596
enter the number
5
Output: 12345
```

```
Process finished.
```