

```
1 import java.util.Arrays;
2 import java.util.Scanner;
3
4 public class Reading
5 {
6
7     public static void main(String args[])
8     {
9         System.out.println("Name :V.
10        Jahnvi\nSAP ID:51834788");
11         Scanner sc = new Scanner(System.in);
12         System.out.println("Enter the length
13        of the array:");
14         int length = sc.nextInt();
15         if( length <1 || length>4){
16             System.out.println("enter number
17            between 1 to 4");
18         }
19         else{
20             String [] myArray = new
21             String[length];
22             System.out.println("Enter the names of
23            players");
24             sc.nextLine();
25             for(int i=0; i<length; i++ )
26             {
27                 myArray[i] = sc.nextLine();
28             }
29             System.out.println("Names of
30            players");
31             System.out.println(Arrays.toString(myArray))
32             ;
33         }
34     }
35 }
```



Name :V. Jahnavi

SAP ID:51834788

Enter the length of the array:

5

enter number between 1 to 4

Process finished.





```
Name :V. Jahnavi
SAP ID:51834788
Enter the length of the array:
4
Enter the names of players
janu
honey
manny
kizxie
Names of players
[janu, honey, manny, kizxie]

Process finished.
```

```
1 import java.util.Scanner;
2 class Pattern
3 {
4     static long factorial(int n)
5     {
6         if(n==0)
7             return 1;
8         return n*factorial(n-1);
9     }
10    public static void main(String[] args)
11    {
12        System.out.println("Name :V.
13        Jahnavi\nSAP ID:51834788");
14        Scanner sc=new Scanner(System.in);
15        System.out.println("Enter the number for
16        series :");
17        int n=sc.nextInt();
18        float res=0;
19        for(int i=1;i<=n;i++)
20        {
21            System.out.print("1/"+i+"!");
22            res=res+(1.0f/factorial(i));
23            if(i!=n)
24                System.out.print("+");
25        }
26        System.out.println("="+res);
27    }
```



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Enter the number for series :

4

$1/1! + 1/2! + 1/3! + 1/4! = 1.7083333$

Process finished.



```
1 import java.util.Scanner;
2 class Summation
3 {
4     public static void main(String args[])
5     {
6         System.out.println("Name :V.
Jaavi\nSAP ID:51834788");
7         Scanner sc=new Scanner(System.in);
8         System.out.print("Enter n :");
9         int n=sc.nextInt();
10        System.out.print("Output :");
11        System.out.print(sumOfSeries(n));
12    }
13    static int sumOfSeries(int n)
14    {
15        int sum=0,j=1;
16        for(int i=1;i<=n;i++)
17        {
18            sum = sum + j;
19            j = (j*10)+1;
20        }
21        return sum;
22    }
23 }
```



```
Name :V. Jahnavi  
SAP ID:51834788  
Enter n :6  
Output :123456  
Process finished.  
|
```