```
import java.io.*;
1
   import java.util.*;
   class Main
3
4
   {
     static void segregateEvenOdd(int arr[])
5
6
     {
       int left = 0, right = arr.length - 1;
7
       while (left < right)
8
9
       {
         while (arr[left]%2 == 0 && left <
10
   right)
            left++;
11
         while (arr[right]%2 == 1 && left <
12
   right)
            right--;
13
         if (left < right)</pre>
14
15
          {
            int temp = arr[left];
16
            arr[left] = arr[right];
17
            arr[right] = temp;
18
            left++;
19
            right--;
20
21
       }
22
     }
23
     public static void main (String[] args)
24
     {
25
         System.out.println("V. Jahnavi\nSAP
26
   ID:51834788");
         Scanner s = new Scanner(System.in);
27
         System.out.println("Enter the length
28
   of the array:");
         int length = s.nextInt();
29
         int [] arr = new int[length];
30
         System.out.println("Enter the elements
31
   of the array:");
32
         for(int i=0; i<length; i++ ) {
33
            arr[i] = s.nextInt();
34
35
       segregateEvenOdd(arr);
36
       System.out.println("Array after
37
   segregation ");
       for (int i = 0; i < arr.length; i++)
38
         System.out.print(arr[i]+" ");
39
40
```

```
× Terminal
```

```
V. Jahnavi
SAP ID:51834788
Enter the length of the array:
5
Enter the elements of the array:
56
1
2
3
6
Array after segregation
56 6 2 3 1
Process finished.
```

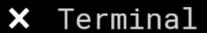
Scanned with CamScanner

```
import java.util.Scanner;
 1
   abstract class House
 3
     abstract void constructing();
 4
     abstract void painting();
     abstract void cleaning();
 6
 7
   public class Viswanadhuni extends House
 8
     public void constructing()
10
11
     {
       System.out.println("House is being
12
   constructed... ");
13
     public void painting()
14
15
     {
       System.out.println("House is being
16
   painted... ");
17
     public void cleaning()
18
19
     {
       System.out.println("House is being
20
   cleaned... ");
21
     public static void main(String args[])
22
23
     {
       System.out.println("Name :V.
24
   Jahnavi\nSAP ID:51834788");
       Scanner sc=new Scanner(System.in);
25
       System.out.println("Enter no of rooms
26
   you want:");
       int n=sc.nextInt();
27
       System.out.println("Enter color for your
28
   house:");
       String col=sc.nextLine();
29
       sc.nextLine();
30
       House h=new Viswanadhuni();
31
32
       h.constructing();
       h.painting();
33
       h.cleaning();
34
35
   }
36
```

× Terminal

```
Name :V. Jahnavi
SAP ID:51834788
Enter no of rooms you want:
5
Enter color for your house:
blue
House is being constructed...
House is being painted...
House is being cleaned...
Process finished.
```

```
import java.util.Scanner;
1
    class Pattern
3
    {
      public static void main(String args[])
4
5
        System.out.println("Name :
6
   V.Jahnavi\nSAP ID : 51834788");
        Scanner sc=new Scanner(System.in);
7
        System.out.println("Enter the number of
8
   rows : ");
        int n=sc.nextInt();
9
        int k=1;
10
        for(int i=1;i<=n;i++)
11
        {
12
           for(int j=1;j <= i;j++)
13
           {
14
             System.out.print(k++);
15
16
           System.out.println();
17
18
      }
19
20
```



Name : V.Jahnavi SAP ID : 51834788 Enter the number of rows : 5 1 23 456 78910 1112131415

Process finished.

```
import java.util.Scanner;
   public class Main
 3
     public static void main(String[] args)
 4
 5
 6
        String temp;
        Scanner s = new Scanner(System.in);
 7
        System.out.println("V. Jahnavi\nSAP ID:
8
   51834788");
        System.out.print("Enter size :");
9
        int n = s.nextInt();
10
        String names[] = new String[n];
11
        Scanner s1 = new Scanner(System.in);
12
        System.out.println("Enter elements line
13
   by line:");
        for(int a = 0; a < n; a++)
14
15
        {
16
          names[a] = s1.nextLine();
17
        for (int a = 0; a < n; a++)
18
19
        {
           for (int b = a + 1; b < n; b++)
20
21
           {
             if (names[a].compareTo(names[b])>0)
22
23
             {
24
               temp = names[a];
25
               names[a] = names[b];
               names[b] = temp;
26
27
28
           }
29
30
         System.out.print("Output :");
31
         for (int a = 0; a < n - 1; a++)
32
33
          {
           System.out.print(names[a] + " ");
34
35
36
         System.out.print(names[n - 1]);
37
38
```

× Terminal



```
V. Jahnavi
SAP ID:51834788
Enter size :5
Enter elements line by line:
sky
is
blue
I love
it
Output :I love blue is it sky
Process finished.
```