



```
1  /*Seperate the odd and even. in the array*/
2  import java.io.*;
3  import java.util.*;
4  class SeggregateEvenAndOdd
5  {
6      static void segregateEvenOdd(int arr[])
7      {
8          int left = 0, right = arr.length - 1;
9          while (left < right)
10         {
11             while (arr[left]%2 == 0 && left < right)
12                 left++;
13             while (arr[right]%2 == 1 && left < right)
14                 right--;
15             if (left < right)
16             {
17                 int temp = arr[left];
18                 arr[left] = arr[right];
19                 arr[right] = temp;
20                 left++;
21                 right--;
22             }
23         }
24     }
25     public static void main (String[] args)
26     { Scanner s = new Scanner(System.in);
27       System.out.println("Tarun sai \nSAP=51834698");
28       System.out.println("Enter the length of the array:");
29       int length = s.nextInt();
30       int [] arr = new int[length];
31       System.out.println("Enter the elements of the array:");
32
33       for(int i=0; i<length; i++ ) {
34           arr[i] = s.nextInt();
35       }
36       segregateEvenOdd(arr);
37       System.out.println("Array after segregation ");
38       for (int i = 0; i < arr.length; i++)
39           System.out.print(arr[i]+" ");
40     }
41 }
```



Terminal



```
Tarun sai
SAP=51834698
Enter the length of the array:
7
Enter the elements of the array:
67 78 90 456 73 2 1
Array after segregation
2 78 90 456 73 67 1
Process finished.
```



Terminal



Tarun sai

SAP=51834698

Enter the length of the array:

4

Enter the elements of the array:

22 2 1 0 23

Array after segregation

22 2 1 23

Process finished.



```
1  /*3rd question 28july House*/
2  abstract class House{
3      abstract void BedRoom();
4      abstract void Hall();
5      abstract void Kitchen();
6      abstract void DiningRoom();
7      abstract void Balcony();
8  }
9  class Machan extends House
10 {
11     void BedRoom()
12     {
13         System.out.println("House has Bed Room");
14     }
15     void Hall()
16     {
17         System.out.println("House has Hall");
18     }
19     void Kitchen()
20     {
21         System.out.println("House has Kitchen");
22     }
23     void DiningRoom()
24     {
25         System.out.println("House has Dining Room");
26     }
27     void Balcony()
28     {
29         System.out.println("house has Balcony");
30     }
31 }
```

```
32 class Mansion
33 {
34     public static void main(String args[])
35     {
36         System.out.println("Tarun sai \nSAP=51834698");
37         System.out.println("House_Name:Royal house");
38         House s=new Machan();
39         s.BedRoom();
40         s.Hall();
41         s.Kitchen();
42         s.DiningRoom();
43         s.Balcony();
44     }
45 }
```



Terminal



```
Tarun sai  
SAP=51834698  
House_Name:Royal house  
House has Bed Room  
House has Hall  
House has Kitchen  
House has Dining Room  
house has Balcony
```

```
Process finished.  
|
```





28th july pattern.java 

Saved



```
1  /*Pattern 28th july*/
2  public class Main
3  {
4      public static void main(String[] args)
5      {
6          System.out.println("Tarun sai\nSAP=51834698");
7          int val=1;
8          System.out.print("Output: ");
9          for(int i=0;i<7;i++)
10         {
11             for(int j=1;j<i;j++)
12             {
13                 System.out.print(val);
14                 val++;
15             }
16             System.out.print("\n");
17         }
18     }
19 }
```

× Terminal



Tarun sai  
SAP=51834698  
Output:

1  
23  
456  
78910  
1112131415





```
1  /*5th question 28th july*/
2  import java.util.Scanner;
3  public class Main
4  {
5      public static void main(String[] args)
6      {
7          String temp;
8          Scanner s = new Scanner(System.in);
9          System.out.println("R.Tarun sai\nSAP ID:51834698");
10         System.out.print("Enter size :");
11         int n = s.nextInt();
12         String names[] = new String[n];
13         Scanner s1 = new Scanner(System.in);
14         System.out.println("Enter elements line by line:");
15         for(int a = 0; a < n; a++)
16         {
17             names[a] = s1.nextLine();
18         }
19         for (int a = 0; a < n; a++)
20         {
21             for (int b = a + 1; b < n; b++)
22             {
23                 if (names[a].compareTo(names[b])>0)
24                 {
25                     temp = names[a];
26                     names[a] = names[b];
27                     names[b] = temp;
28                 }
29             }
30         }
31         System.out.print("Output :");
32         for (int a = 0; a < n - 1; a++)
33         {
34             System.out.print(names[a] + " ");
35         }
36         System.out.print(names[n - 1]);
37     }
38 }
39 }
```



Terminal



```
R.Tarun sai
SAP ID:51834698
Enter size :6
Enter elements line by line:
I
Am
Tarun
Sai
From
Guntur
Output :Am From Guntur I Sai Tarun
Process finished.
```