```java
import java.io.*;
import java.util.*;
class Main
{
   static void segregateEvenOdd(int arr[])
    {
      int left = 0, right = arr.length - 1;
      while (left < right)
       {
          while (arr[left]%2 == 0 && left <
 right)
             left++;
          while (arr[right]%2 == 1 && left <
 right)
             right--;
          if (left < right)
          {
             int temp = arr[left];
             arr[left] = arr[right];
             arr[right] = temp;
             left++;
             right--;
          }
       }
    }
   public static void main (String[] args)
    {
         System.out.println("V. Jahnavi\nSAP
 ID:51834788");
         Scanner s = new Scanner(System.in);
         System.out.println("Enter the length
 of the array:");
         int length = s.nextInt();
         int [] arr  = new int[length];
         System.out.println("Enter the elements
 of the array:");

         for(int i=0; i<length; i++ ) {
            arr[i] = s.nextInt();
         }
      segregateEvenOdd(arr);
      System.out.println("Array after
 segregation ");
      for (int i = 0; i < arr.length; i++)
         System.out.print(arr[i]+" "); |
    }
```

```
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.
```
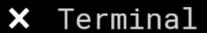
```java
import java.util.Scanner;
abstract class House
{
   abstract void constructing();
   abstract void painting();
   abstract void cleaning();
}
public class Viswanadhuni extends House
{
   public void constructing()
   {
      System.out.println("House is being
constructed... ");
   }
   public void painting()
   {
      System.out.println("House is being
painted... ");
   }
   public void cleaning()
   {
      System.out.println("House is being
cleaned... ");
   }
   public static void main(String args[])
   {
      System.out.println("Name :V.
Jahnavi\nSAP ID:51834788");
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter no of rooms
you want:");
      int n=sc.nextInt();
      System.out.println("Enter color for your
house:");
      String col=sc.nextLine();
      sc.nextLine();
      House h=new Viswanadhuni();
      h.constructing();
      h.painting();
      h.cleaning();
   }
}
```

```
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.
```

```java
import java.util.Scanner;
 class Pattern
 {
    public static void main(String args[])
    {
        System.out.println("Name :
V.Jahnavi\nSAP ID : 51834788");
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of
rows : ");
        int n=sc.nextInt();
        int k=1;
        for(int i=1;i<=n;i++)
        {
           for(int j=1;j<=i;j++)
           {
              System.out.print(k++);
           }
           System.out.println();
        }
     }
 }
```

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

Process finished.
```

```java
import java.util.Scanner;
public class Main
{
  public static void main(String[] args)
  {
      String temp;
      Scanner s = new Scanner(System.in);
      System.out.println("V. Jahnavi\nSAP ID: 51834788");
      System.out.print("Enter size :");
      int n = s.nextInt();
      String names[] = new String[n];
      Scanner s1 = new Scanner(System.in);
      System.out.println("Enter elements line by line:");
      for(int a = 0; a < n; a++)
      {
          names[a] = s1.nextLine();
      }
      for (int a = 0; a < n; a++)
      {
          for (int b = a + 1; b < n; b++)
          {
              if (names[a].compareTo(names[b])>0)
              {
                  temp = names[a];
                  names[a] = names[b];
                  names[b] = temp;
              }

          }
      }
      System.out.print("Output :");
      for (int a = 0; a < n - 1; a++)
      {
          System.out.print(names[a] + " ");
      }
      System.out.print(names[n - 1]);
  }
}
```

```
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.
```