```java
import java. util. Scanner;
import java.util.Arrays;
import java.util.Collections;
public class AscendingOrder
{
static void twoWaySort(Integer arr[], int n)
{
  int l = 0, r = n - 1;
  int k = 0;

  while (l < r)
  {
    while (arr[l] % 2 != 0)
    {
      l++;
      k++;
    }
    while (arr[r] % 2 == 0 && l < r)
      r--;
    if (l < r)
    {
      int temp = arr[l];
      arr[l] = arr[r];
      arr[r] = temp;
    }
  }
  Arrays.sort(arr, k, n);
}
public static void main(String[] args)
{
  System.out.println("Question no:1\nAuthor:B.padmasai
  Integer arr[] = { 1,3,4,62,32,15,66,87 };
  System.out.println("Ascending Order: ");
  twoWaySort(arr, arr.length);
  System.out.println(Arrays.toString(arr));
}
```

```
Question no:1
Author:B.padmasai
Sap id:51834617
Ascending Order:
[1, 3, 87, 15, 4, 32, 62, 66]

Process finished.
```

```java
import java.io.*;
import java.util.*;
class EveOdd
{
  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("Question no:2\nAuthor:B.padma
    Scanner s = new Scanner(System.in);
      System.out.println("Enter the length of the arr.
      int length = s.nextInt();
      int [] arr  = new int[length];
      System.out.println("Enter the elements of the a

      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]+" ");
  }
}
```

Question no:2
Author:B.padma sai
Sap id:51834617
Enter the length of the array:
5
Enter the elements of the array:
56
22
13
17
2
Array after segregation
56 22 2 17 13
Process finished.

```java
abstract class House
{
  abstract void BedRoom();
  abstract void Hall();
  abstract void Kitchen();
  abstract void DiningRoom();
}
 class Machan extends House
 {
  void BedRoom()
  {
    System.out.println("House has Bed Room");
  }
  void Hall()
  {
    System.out.println("House has Hall");
  }
  void Kitchen()
  {
    System.out.println("House has Kitchen");
  }
  void DiningRoom()
  {
    System.out.println("House has Dining Room");
  }
}
class villa
{
 public static void main(String args[])
 {
    System.out.println("Question no:3\nAuthor:B.padma
    System.out.println("House_Name: Brundhavan");
    House p=new Machan();
    p.BedRoom();
    p.Hall();
    p.Kitchen();
    p.DiningRoom();
 }
 }
```

```
Question no:3
Author:B.padma sai
Sap id:51834617
House_Name: Brundhavan
House has Bed Room
House has Hall
House has Kitchen
House has Dining Room

Process finished.
```

```java
1  public class Pattern
2  {
3   public static void main(String[] args)
4   {
5     System.out.println("Question no:4\nAuthor:B.padmasa
6     int val=1;
7     System.out.print("Output: ");
8     for(int i=0;i<7;i++)
9     {
10     for(int j=1;j<i;j++)
11      {
12       System.out.print(val);
13        val++;
14      }
15      System.out.print("\n");
16    }
17  }
18 }
```

```
Question no:4
Author:B.padmasai
sap id:51834617
Output:

1
23
456
78910
1112131415
```

```java
public class JavaExample
{
    public static void main(String b[])
    {
       System.out.println("Question no:5\nAuthor:B.pad
          int count;
          String temp;
          count = b[0];
          String str[] = new String[count];
          for(int i = 0; i < count; i++)
          {
              str[i] = b[i];
          }
          for (int i = 0; i < count; i++)
          {
              for (int j = i + 1; j < count; j++) {
                  if (str[i].compareTo(str[j])>0)
                  {
                      temp = str[i];
                      str[i] = str[j];
                      str[j] = temp;
                  }
              }
          }
          for (int i = 0; i <= count - 1; i++)
          {
              System.out.print(str[i] + ", ");
          }
    }
}
```

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