```java
1
2
3  //Answer for question 2
4
5  import java.util.Scanner;
6  public class Even_Odd
7  {
8      public static void main(String[] args)
9      {
10         int n, j = 0, k = 0;
11         Scanner s = new Scanner(System.in);
12          System.out.println("B.JayaLakshmi\nSAP
13         System.out.print("Enter no. of elements
14         n = s.nextInt();
15         int a[] = new int[n];
16         int odd[] = new int[n];
17         int even[] = new int[n];
18         System.out.println("Enter all the elemen
19         for(int i = 0; i < n; i++)
20         {
21             a[i] = s.nextInt();
22         }
23         for(int i = 0; i < n; i++)
24         {
25             if(a[i] % 2 != 0)
26             {
27                 odd[j] = a[i];
28                 j++;
29             }
30             else
31             {
32                 even[k] = a[i];
33                 k++;
34             }
35         }
36         System.out.print("Odd:");
37         if(j > 1)
38         {
39             for(int i = 0;i < (j-1); i++)
40             {
41                 System.out.print(odd[i]+",");
42             }
43             System.out.print(odd[j-1]);
44         }
```

```java
18      System.out.println("Enter all the elemen
19      for(int i = 0; i < n; i++)
20      {
21          a[i] = s.nextInt();
22      }
23      for(int i = 0; i < n; i++)
24      {
25          if(a[i] % 2 != 0)
26          {
27              odd[j] = a[i];
28              j++;
29          }
30          else
31          {
32              even[k] = a[i];
33              k++;
34          }
35      }
36      System.out.print("Odd:");
37      if(j > 1)
38      {
39          for(int i = 0;i < (j-1); i++)
40          {
41              System.out.print(odd[i]+",");
42          }
43          System.out.print(odd[j-1]);
44      }
45      else
46      {
47          System.out.println("No number");
48      }
49      System.out.println("");
50      System.out.print("Even:");
51      if(k > 1)
52      {
53          for(int i = 0; i < (k-1); i++)
54          {
55              System.out.print(even[i]+",");
56          }
57      System.out.print(even[k-1]);
58      }
59      else
60      {
61          System.out.println("No number");
62      }
```

```
B.JayaLakshmi
SAP ID:51834667
Enter no. of elements you want in array:6
Enter all the elements:
1
2
3
4
5
6
Odd:1,3,5
Even:2,4,6
Process finished.
```

```java
//Answer  for question 4


class pattern
 {
   public static void main(String args[])
    {
      System.out.println("B.JayaLakshmi\nSAP ID:5
      int k=1;
   for(int i=0;i<=5;i++){

   for(int j=1;j<=i;j++){
     System.out.print(k);
     k++;
     }

     System.out.print("\n");
   }
   }
   }
```

B.JayaLakshmi
SAP ID:51834667

1
23
456
78910
1112131415

Process finished.