```java
//Question 2
import java.util.*;
public class Main
{
    public static void main(String[] args)
    {
        int n, a = 0, b = 0;
        Scanner s = new Scanner(System.in);
        System.out.println("Author:P.laasya");
        System.out.print("Enter no. of elements you want in array:");
        n = s.nextInt();
        int x[] = new int[n];
        int odd[] = new int[n];
        int even[] = new int[n];
```

```java
15        System.out.println("Enter all the elements:");
16        for(int y = 0; y < n; y++)
17        {
18            x[y] = s.nextInt();
19        }
20        for(int y = 0; y < n; y++)
21        {
22            if(x[y] % 2 != 0)
23            {
24                odd[a] = x[y];
25                 a++;
26            }
27            else
28            {
```

```java
29              even[b] = x[y];
30              b++;
31          }
32      }
33  System.out.print("Odd:");
34  if(a > 1)
35  {
36      for(int y = 0;y < (a-1); y++)
37      {
38          System.out.print(odd[y]+",");
39      }
40      System.out.print(odd[a-1]);
41  }
42  else
```

```java
43      {
44          System.out.println("No number");
45      }
46      System.out.println("");
47      System.out.print("Even:");
48      if(b > 1)
49      {
50          for(int y = 0; y < (b-1); y++)
51          {
52              System.out.print(even[y]+",");
53          }
```

```java
54          System.out.print(even[b-1]);
55          }
56          else
57          {
58              System.out.println("No number");
59          }
60      }
61 }
```

```
×    Terminal                                              ⟐

Author:P.laasya
Enter no. of elements you want in array:6
Enter all the elements:
34
23
2
62
77
73
Odd:23,77,73
Even:34,2,62
Process finished.
```

```java
//Question 4
public class Main
{
    public static void main (String[] args) {
        System.out.println("Author:P.laasya");
         int A=1;
         for (int b=1;b<=5;b++)
         {
```

```java
 9              for (int c=1;c<=b;c++)
10              {
11                  System.out.print(A);
12                  A++;
13              }
14          System.out.println();
15          }
16      }
17  }
```

```
Author:P.laasya
1
23
456
78910
1112131415

Process finished.
```

```java
//Question 5
import java.util.Scanner;
    public class Main
    {
        public static void main(String[] args)
        {
            int c;
            String temp;
            Scanner s = new Scanner(System.in);
            System.out.println("Author:P.laasya");
            System.out.print("Enter number of words you want to enter:");
            c = s.nextInt();
            String names[] = new String[c];
            Scanner s1 = new Scanner(System.in);
```

```java
15          System.out.println("Enter all the words line by line:");
16          for(int a = 0; a < c; a++)
17          {
18              names[a] = s1.nextLine();
19          }
20          for (int a = 0; a < c; a++)
21          {
22              for (int b = a + 1; b < c; b++)
23              {
24                  if (names[a].compareTo(names[b])>0)
25                  {
26                      temp = names[a];
27                      names[a] = names[b];
28                      names[b] = temp;
                    }
                }
```

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```java
29                            }
30                        }
31                    }
32                    System.out.print("words in Sorted Order line:");
33                    for (int a = 0; a < c - 1; a++)
34                    {
35                        System.out.print(names[a] + " ");
36                    }
37                    System.out.print(names[c - 1]);
38                }
39            }
```

```
×    Terminal                                            ⧉

Author:P.laasya
Enter number of words you want to enter:3
Enter all the words line by line:
I
like
fruits
words in Sorted Order line:I  fruits like
Process finished.
```