

```
1 package Array1D;
2
3 public class MinMax {
4
5     static int minimum(int arr[]){
6         int min = arr[0];
7         for (int i = 0; i < arr.length; i++) {
8             if (arr[i] < min){
9                 min = arr[i];
10            }
11        }
12        return min;
13    }
14
15    static int maximum(int[] arr){
16        int max = arr[0];
17        for (int i = 0; i < arr.length; i++) {
18            if (arr[i] > max){
19                max = arr[i];
20            }
21        }
22        return max;
23    }
24
25    public static void main(String[] args) {
26        int[] array = {2,53425,3452,43523,53523,5};
27        System.out.println("Minimum = " +minimum(
28            array));
29        System.out.println("Maximum = " +maximum(
30            array));
31    }
32 }
```

```
1 package Array1D;
2
3 import java.util.Scanner;
4
5 public class InputOutput {
6
7     public static void main(String[] args) {
8         int[] array = new int[5];
9         Scanner in = new Scanner(System.in);
10        for (int i = 0; i < array.length; i++) {
11            array[i] = in.nextInt();
12        }
13
14
15        for (int i = 0; i < array.length; i++) {
16            System.out.print(array[i] + " ");
17        }
18    }
19 }
20
```

```
1 package Array1D;
2
3 import java.util.Scanner;
4
5 public class LinearSearch {
6
7     static int linearSearch(int[] arr, int element
8     ){
9         for (int i = 0; i < arr.length; i++) {
10             if (arr[i] == element){
11                 return i;
12             }
13         }
14         return -1;
15     }
16
17     public static void main(String[] args) {
18
19         int[] array = new int[5];
20         Scanner in = new Scanner(System.in);
21         for (int i = 0; i < array.length; i++) {
22             array[i] = in.nextInt();
23         }
24
25         System.out.println(linearSearch(array, 3));
26     }
27 }
28
```

```
1 package Array1D;
2
3 import java.util.Scanner;
4
5 public class ReverseArray {
6     public static void main(String[] args) {
7         int[] array = new int[5];
8         Scanner in = new Scanner(System.in);
9         for (int i = 0; i < array.length; i++) {
10             array[i] = in.nextInt();
11         }
12         int temp;
13
14         for (int i = 0; i < array.length/2; i++) {
15             temp = array[i];
16             array[i] = array[array.length-i-1];
17             array[array.length-i-1] = temp;
18         }
19
20         for (int i = 0; i < array.length; i++) {
21             System.out.print(array[i] + " ");
22         }
23     }
24 }
25
```

```
1 package Array1D;
2
3 import java.util.Scanner;
4
5 public class SumOfElements {
6
7     public static void main(String[] args) {
8         int[] array = new int[5];
9         Scanner in = new Scanner(System.in);
10        for (int i = 0; i < array.length; i++) {
11            array[i] = in.nextInt();
12        }
13
14        int sum = 0;
15
16        for (int i = 0; i < array.length; i++) {
17            sum += array[i];
18        }
19
20        System.out.println("Sum = " + sum);
21    }
22 }
23
```

```
1 package Array1D;
2
3 import java.util.Scanner;
4
5 public class SpiltIntoEvenOdd {
6
7     public static void main(String[] args) {
8
9         int[] array = new int[5];
10        Scanner in = new Scanner(System.in);
11        for (int i = 0; i < array.length; i++) {
12            array[i] = in.nextInt();
13        }
14        int[] even = new int[array.length];
15        int evenCounter = 0;
16        int[] odd = new int[array.length];
17        int oddCounter = 0;
18
19
20        for (int i = 0; i < array.length; i++) {
21            if (array[i] %2 == 0){
22                even[evenCounter++] = array[i];
23            } else{
24                odd[oddCounter++] = array[i];
25            }
26        }
27
28        System.out.print("Even array is : ");
29        for (int i = 0; i < evenCounter ; i++) {
30            System.out.print(even[i] + " ");
31        }
32        System.out.println();
33
34        System.out.print("Odd array is : ");
35        for (int i = 0; i < oddCounter; i++) {
36            System.out.print(odd[i] + " ");
37        }
38        System.out.println();
39    }
40
41 }
```