1. WAP to print the sum of all the elements present on even indexes in the given array.

```
2. public class CODE10 {
3.     public static void main(String[] args) {
4.         int[] arr = {1,2,3,4,5,6,7,8};
5.      int i = 0, sum = 0;
6.      while (i < arr.length) {
7.          sum += arr[i];
8.          i += 2;
9.      }
10.     System.out.println(sum);
11.    }
12.}
```

2. WAP to traverse over the elements of the array {1,2,3,4,5,6,7,8} using for each loop and print all even
elements.

```
public class CODE11 {
    public static void main(String[] args) {
        int[] arr = { 1, 2, 3, 4, 5, 6, 7, 8 };
        for (int elem : arr) {
            if (elem % 2 == 0)
                System.out.println(elem);

        }
    }
}
```

3. WAP to calculate the maximum element in the array {10, 7, -5, 8, 9, 0, -4} using standard library methods for
calculating the maximum element.

```
public class CODE12 {
    public static void main(String[] args) {
        int[] arr = { 10, 7, -5, 8, 9, 0, -4 };
        int max = Integer.MIN_VALUE;
        for (int val : arr) {
            max = Math.max(max, val);
        }
        System.out.print("Largest in given array is " + max);

    }
}
```

4. WAP to find out the second largest element in the input array {34,21,54,65,43}.

```
public class CODE13 {
    public static void main(String[] args) {
        int[] arr = { 34, 21, 54, 65, 43 };
```

```
        int arr_size = arr.length;
        int i, first, second;
        // There should be at least two elements
        if (arr_size < 2) {
            System.out.printf(" Invalid Input ");
            return;
        }
        int largest = second = Integer.MIN_VALUE;

        // Find the largest element
        for (i = 0; i < arr_size; i++)
            largest = Math.max(largest, arr[i]);

        // Find the second largest element
        for (i = 0; i < arr_size; i++) {
            if (arr[i] != largest)
                second = Math.max(second, arr[i]);
        }
        if (second == Integer.MIN_VALUE)
            System.out.printf("There is no second " +
                    "largest element\n");
        else
            System.out.printf("The second largest " +
                    "element is %d\n", second);
    }

}
```