Assignment - 06

Thursday, 24 March 2022 3:36 PM

Q1.

```
import java.util.*;

public class q2 {

    public static void main(String args[]) {

        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter no. of elements: ");
        n = sc.nextInt();

        int array[] = new int[n];
        System.out.println("Enter the elements of the array: ");
        for (int i=0; i<n; i++) {

            array[i] = sc.nextInt();
        }
        int c_even = 0, c_odd = 0;
        System.out.println("Original Array: " + Arrays.toString(array));
        for( int i=0; i<array.length; i++) {

            if( array[i] % 2 == 0) {
                c_even++;
            }
            else
                c_odd++;
        }
        System.out.printf ("\n Number of even elements in the array : %d ", c_even);
        System.out.printf ("\n Number of odd elements in the array: %d", c_odd);
    }
}
```

Q2.

```
import java.util.*;
public class q3 {

    public static void main(String[] args){
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the no. of elements you want to store : ");
        n = sc.nextInt();

        int array[] = new int[n];
        System.out.println("Enter the elements of the array : ");
        for (int i=0; i<n; i++) {
            array[i] = sc.nextInt();
        }
        for (int k=0; k<array.length; k++) {
            for(int j=k+1; j<array.length; j++) {
                int temp=0;
                if (array[k] > array[j]) {
                    temp = array[k];
                    array[k] = array[j];
                    array[j] = temp;
                }
            }
        }
        System.out.println("Elements of array sorted in ascending order: ");
        for (int i=0; i<array.length; i++) {
            System.out.print(array[i] + " ");
        }

    }
}
```