Ans 1:

```
package Collectionproject;

import java.util.ArrayList;
import java.util.Iterator;
import java.util.List;
import java.util.Scanner;

class ArrayListMain {
	public static void main(String args[]) {
		List<String> names = new ArrayList<>();
		Scanner sc = new Scanner(System.in);
		int n = Integer.parseInt(sc.nextLine());
		for (int i = 0; i < n; i++)
			names.add(sc.nextLine());
		Iterator it = names.iterator();
		while (it.hasNext()) {
			System.out.println(it.next());
		}
	}
}
```

Ans 2:

```
import java.util.*;
import java.lang.*;
import java.io.*;

class Q01Simple_Sort {
	public static void main(String[] args) throws java.lang.Exception {
		Scanner input = new Scanner(System.in);
// Input number of elements
		int number_of_elements = input.nextInt();
		input.nextLine();
		if (number_of_elements <= 0)
			return;
		List<String> list = new ArrayList<>();
		for (int ctr = 0; ctr < number_of_elements; ctr++) {
			// Input next string
			String str = input.nextLine();
			list.add(str);
		}
		Collections.sort(list, new Comparator<String>() {
			public int compare(String o1, String o2) {
				return o1.length() - o2.length();
```

```
                }
            });
            System.out.println(list);
        }
}
```

Ans 3:

```
import java.util.*;
import java.lang.*;
import java.io.*;

class Q01Simple_List {
    public static void main(String[] args) throws java.lang.Exception {
        Scanner input = new Scanner(System.in);
        // Inputnumber of elements
        int number_of_elements = input.nextInt();
        if (number_of_elements <= 0)
            return;
        ArrayList<Integer> numList = new ArrayList<Integer>();
        for (int ctr = 0; ctr < number_of_elements; ctr++) {
            // Input next element
            int num = input.nextInt();
            ListIterator<Integer> listIter = numList.listIterator(numList.size());
            if (listIter.hasPrevious()) {
                if (listIter.previous() < num)
                    numList.add(num);
            } else
                numList.add(num);
        }
        System.out.println(numList);
    }
}
```

Ans 4:

```
import java.io.*;
import java.util.*;

class Main {
    public static void main(String[] args) {
        int i, n;
        Scanner sc = new Scanner(System.in);
        n = Integer.parseInt(sc.nextLine());
        ArrayList<String> names = new ArrayList<String>(n);
```

```
		for (i = 0; i < n; i++) {
			names.add(sc.nextLine());
		}
		String search = sc.nextLine();
		System.out.println(Collections.frequency(names, search));
	}
}
```