

ARRAYLIST PROGRAM:

```
package collection;
```

```
import java.util.ArrayList;
```

```
import java.util.Iterator;
```

```
import java.util.List;
```

```
public class arraylist {
```

```
    public static void main(String[] args) {
```

```
        List<String>ss=new ArrayList<String>();
```

```
        ss.add("the");
```

```
        ss.add("programer");
```

```
        ss.add("should");
```

```
        ss.add("practice");
```

```
        ss.add("everyday");
```

```
        ss.add("to improve");
```

```
        ss.add("skills");
```

```
        ss.add("the");
```

```
        ss.remove(2);
```

```
        ss.set(2,"z");
```

```
        //System.out.println(ss.contains());
```

```
        System.out.println(ss);
```

```
        Iterator<String>s1=ss.iterator();
```

```
        while(s1.hasNext()) {
```

```
            System.out.println(s1.next());
```

```
        }
```

```
    }
```

```
}
```

Output:

```
[the, programmer, z, everyday, to improve, skills, the]
the
programer
z
everyday
to improve
skills
the
```

MAP PROGRAM:

```
package collection;
import java.util.*;
public class map1 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Map<Integer,String> m=new HashMap();
        m.put(100,"dhamu,he is in the operation department");
        // m.put(100,"he is smart");
        m.put(101,"arun");
        m.put(102,"karthi");
        System.out.println(m);
        System.out.println(m.get(100));

    }

}
```

Output:

```
{100=dhamu,he is in the operation department, 101=arun, 102=karthi}
dhamu,he is in the operation department
```