1. import java.util.ArrayList;

import java.util.Arrays;

public class ArrayListExample {

public static void main(String[] args) {

int[] arr = {1, 2, 3, 4, 5};

ArrayList<Integer> list = new ArrayList<Integer>();

for (int i = 0; i < arr.length; i++) {

list.add(arr[i]);

}

System.out.println("ArrayList: " + list);

}

}

2. import java.util.ArrayList;

public class ArrayListRemove {

public static void main(String[] args) {

ArrayList<String> list = new ArrayList<String>();

list.add("Apple");

list.add("Banana");

list.add("Orange");

list.add("Grapes");

System.out.println("Original ArrayList: " + list);

list.remove("Banana");

System.out.println("ArrayList after removing element: " + list);

}

}

3.

import java.util.ArrayList;

public class CheckArrayList {

public static void main(String[] args) {

ArrayList<String> list = new ArrayList<String>();

if (list.isEmpty()) {

System.out.println("ArrayList is empty");

} else {

System.out.println("ArrayList is not empty");

}

list.add("Apple");

if (list.isEmpty()) {

System.out.println("ArrayList is empty");

} else {

System.out.println("ArrayList is not empty");

}

}

}

4. import java.util.LinkedList;

import java.util.Queue;

public class QueueExample {

public static void main(String[] args) {

Queue<String> queue = new LinkedList<String>();

// Adding elements to the Queue

queue.add("Apple");

queue.add("Banana");

queue.add("Orange");

queue.add("Grapes");

// Printing the Queue

System.out.println("Queue: " + queue);

// Removing the first element from the Queue

String first = queue.remove();

System.out.println("Removed element: " + first);

// Printing the updated Queue

System.out.println("Updated Queue: " + queue);

}

}

5.

import java.util.LinkedList;

public class LinkedListExample {

public static void main(String[] args) {

LinkedList<String> list = new LinkedList<String>();

list.add("Apple");

list.add("Banana");

list.add("Orange");

list.add("Grapes");

int size = list.size();

System.out.println("Size of the LinkedList: " + size);

}

}