

Assignment - 5

JAVA
CSN0992

See Roohan Jarr
191911415

1. Java Program to demonstrate ArrayList.

```
Ans  import java.util.ArrayList;
      public class ArrayListDemo {
          public static void main (String[] args)
          {
              ArrayList<String> myList = new
                  ArrayList<String>();

              myList.add("Apple");
              myList.add("Mango");
              myList.add("Orange");
              myList.add("Grapes");
              myList.add(1, "Orange");
              myList.add(2, "Pineapple");
              System.out.println("Print all the objects:");
              for (String s: myList)
              {
                  System.out.println(s);
              }

              System.out.println("Object at index 3 element
                  from list: " + myList.get(3));
              System.out.println("Is chicken is in list: " +
```

```

        myList.contains("Chicku"));
    System.out.println("Size of ArrayList: " + myList.size());
    myList.remove("Papaya");
    System.out.println("New size of ArrayList: " +
        myList.size());
}

```

Sample output

Print All the objects

Apple.

Orange

Pineapple.

Mango.

Orange

Grapes

Object at index 3 element from list : Mango

Is chicku is in list : false.

Size of ArrayList : 6.

New size of ArrayList : 6.

2. Java program to demonstrate LinkedList

```

Ans      import java.util.LinkedList;

        public class LinkedListDemo {
            public static void main(String[] args) {
                LinkedList<String> myLinkedList =

```



```

new LinkedList<String>();
myLinkedList.addFirst("A");
myLinkedList.add("B");
myLinkedList.add("C");
myLinkedList.add("D");
myLinkedList.add(2, "X");
myLinkedList.addLast("Z");
System.out.println("Original List before deleting elements");
System.out.println(myLinkedList);
myLinkedList.remove();
myLinkedList.removeLast();
myLinkedList.remove("C");
System.out.println("Original List after deleting first and
last object");
System.out.println(myLinkedList);
System.out.println("First object in linked List: " +
myLinkedList.getFirst());
System.out.println("Last object in linked List: " +
myLinkedList.peekLast());

```

Sample output

original List before deleting elements

[A, B, x, C, D, 2]

Original List After deleting first and last object

[B, x, D]

First object in linked list = B

Last object in linked list = D