```
package simple.test;
import java.util.ArrayList;
import java.util.HashSet;
import java.util.List;
import java.util.Set;
public class findDuplicates
{
        public static void main(String[] args)
         {
                ArrayList<String> list = new ArrayList<String>();
                // Form a list of numbers from 0-9.
                for (int i = 0; i < 10; i++)
                list.add(String.valueOf(i));
                // Insert a new set of numbers from 0-5.
                for (int i = 0; i < 5; i++) {
                list.add(String.valueOf(i));
        }
System.out.println("Input list : " + list);
System.out.println("\nFiltered duplicates : " + processList(list));
public static Set<String> processList(List<String> listContainingDuplicates) {
        final Set<String> resultSet = new HashSet<String>();
        final Set<String> tempSet = new HashSet<String>();
        for (String yourInt : listContainingDuplicates) {
        if (!tempSet.add(yourInt)) {
```

```
}
               return resultSet;
Question-: Write Code To Sort The List Of Strings Using Java Collection?
               package simple.test;
               import java.util.Arrays;
               public class sortStrings {
                public static void main(String[] args) throws Exception
               {
               String[] inputList = { "Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul",
                "aug", "Sep", "Oct", "nov", "Dec" };
               // Display input un-sorted list.
               System.out.println("-----");
               showList(inputList);
               // Call to sort the input list.
               Arrays.sort(inputList);
               // Display the sorted list.
               System.out.println("\n-----");
               showList(inputList);
                // Call to sort the input list in case-sensitive order.
               System.out.println("\n-----Sorted list (Case-Sensitive)-----");
               Arrays.sort(inputList, String.CASE_INSENSITIVE_ORDER);
               // Display the sorted list.
               showList(inputList);
               }
```

resultSet.add(yourInt);

```
for (String str : array) {
                System.out.print(str + " ");
                System.out.println();
                }
Question-: Write A Method To Check Prime No. In Java?
package simple.test;
import java.util.Scanner;
public class findPrime {
        public static void main(String[] args) {
                Scanner scan = new Scanner(System.in);
                System.out.print("Enter an int value : ");
                int input = scan.nextInt();
                if (checkPrime(input)) {
                         System.out.println("Input value " + input + " is a prime number.");
                } else {
                         System.out.println("Input value " + input+ " is not a prime number.");
                }
        }
        public static boolean checkPrime(int n) {
                if (n <= 1) {
                         return false;
                }
                for (int i = 2; i < Math.sqrt(n); i++) {
                         if (n \% i == 0) {
                                 return false;
                         }
```

public static void showList(String[] array) {

```
}
               return true;
       }
Question-: Write A Java Program To Find Out The First Two Max Values From An Array?
package simple.test;
public class findTwoMaxValue {
       public void GetTwoMaxValues(int[] nums) {
               int maxOne = 0;
               int maxTwo = 0;
               for (int n : nums) {
                       if (maxOne < n) {
                               maxTwo = maxOne;
                               maxOne = n;
                       } else if (maxTwo < n) {
                               maxTwo = n;
                       }
               }
               System.out.println("Max1 - " + maxOne);
               System.out.println("Max2 - " + maxTwo);
       }
       public static void main(String[] args) {
               int list[] = { 15, 24, 48, 21, 43, 11, 79, 93 };
               findTwoMaxValue max = new findTwoMaxValue();
               max.GetTwoMaxValues(list);
       }
```

Question-: Write A Java Program To Find The Longest Substring From A Given String Which Doesnt Contain Any Duplicate Characters?

```
package simple.test;
import java.util.HashSet;
import java.util.Set;
public class findSubstr {
private Set<String> stringSet = new HashSet<String>();
private int IstringSet = 0;
public Set<String> findStr(String input) {
// Reset instance data.
stringSet.clear();
IstringSet = 0;
// Set a boolean flag on each char's ASCII value.
boolean[] flag = new boolean[256];
int j = 0;
char[] inputCharArr = input.toCharArray();
for (int i = 0; i < inputCharArr.length; i++) {</pre>
char c = inputCharArr[i];
if (flag[c]) {
extractSubString(inputCharArr, j, i);
for (int k = j; k < i; k++) {
if (inputCharArr[k] == c) {
j = k + 1;
break;
}
flag[inputCharArr[k]] = false;
}
} else {
flag[c] = true;
```

```
}
}
extractSubString(inputCharArr, j, inputCharArr.length);
return stringSet;
}
private String extractSubString(char[] inputArr, int start, int end) {
StringBuilder sb = new StringBuilder();
for (int i = start; i < end; i++) {
sb.append(inputArr[i]);
}
String subStr = sb.toString();
if (subStr.length() > lstringSet) {
lstringSet = subStr.length();
stringSet.clear();
stringSet.add(subStr);
} else if (subStr.length() == lstringSet) {
stringSet.add(subStr);
}
return sb.toString();
}
public static void main(String a[]) {
findSubstr substr = new findSubstr();
System.out
.println("Actual Strings ----- | ---- Longest Non-Repeated Strings");
System.out.println("Software_Programmer"+ "
                                                           " + substr.findStr("Software_Programmer"));
System.out.println("Software_Developer_In_Test"+ " |
substr.findStr("Software_Developer_In_Test"));
System.out.println("developers_write_unit_tests"+ " |
substr.findStr("developers_write_unit_tests"));
```

```
System.out.println("javajavbasp.net"+ "
                                                     " + substr.findStr("javajavbasp.net"));
}
Question-: Write Java Code To Get Rid Of Multiple Spaces From A String?
package simple.test;
import java.util.StringTokenizer;
public class removeExtraSpaces {
  public static void main(String args[]){
    String input = "Try to remove extra spaces.";
    StringTokenizer substr = new StringTokenizer(input, " ");
    StringBuffer sb = new StringBuffer();
    while(substr.hasMoreElements()){
      sb.append(substr.nextElement()).append(" ");
    }
    System.out.println("Actual string: " + input);
    System.out.println("Processed string: " + sb.toString().trim());
  }
Question-: Write A Java Program To Demonstrate String Reverse With And Without StringBuffer Class?
package simple.test;
public class invertString {
public String invertWithStringBuffer(String str) {
StringBuffer buffer = new StringBuffer(str);
buffer.reverse();
return buffer.toString();
}
public String invertWithoutStringBuffer(String str) {
int length = str.length();
```

```
String original = str;
String invert = "";
for (int i = length - 1; i >= 0; i--) {
  invert = invert + original.charAt(i);
}
return invert;
}
public static void main(String[] args) {
  invertString invertStr = new invertString();
System.out.println("Inverted String with StringBuffer class: "+invertStr.invertWithStringBuffer("987654321"));
System.out.println("");
System.out.println("Inverted String without StringBuffer class: " + invertStr.invertWithoutStringBuffer("kjihgfedcba"));
}
```