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CSA-0985 JAVA

Collection in JAVA 18

Assignment-3

~~Collection~~

Array List

```
import java.util.*;
Class TestJAVaCollection1 {
    Public static void main (String args[]) {
  ArrayList <String> list = new ArrayList <String> ();
    list.add ("Ravi");
    list.add ("vijay");
    list.add ("Ravi");
    list.add ("Ajay");
  Iterator itr = list.iterator ();
  while (itr.hasNext ()) {
    System.out.println (itr.next ()); }}}
```

output:-

Ravi
vijay
Ravi
Ajay

LinkedList:-

```
import java.util.*;
Class main {
  Public static void main (String args[]){
    LinkedList <String> al = new LinkedList <String> ();
      al.add ("Ravi");
      al.add ("vijay");
```

```
        al.add("Ajay");
Iterator<String> itr = al.Iterator();
While (itr.hasNext()){
    System.out.println(itr.next()); }}}
```

Output:-

Ravi
Vijay
Ajay

Vector.

```
impoot java.util.*;
Class main {
  Public static void main (String args[]) {
  Vector <String> v = new Vector <String> ();
      v.add ("Amit");
      v.add ("Ashish");
      v.add ("Garima");
   Iterator <String> itr = v.iterator();
  While (itr.hasNext()) {
  System.out.println (itr.next()); }}}
```

Output:-

Amit
Ashish
Garima.

TreeSet

```
import java.util.*;
Class Test {
   Public Static void main (String args[]){
  TreeSet<String> Set = new TreeSet <String>();
       Set.add ("Ravi");
       Set.add ("Ajay");
       Set.add ("vijay");
   iterator <String> itr = Set.iterator ();
   while (itr.hasNext ()){
   System.out.println (itr.next ()); }}}
```

Output:-

vijay
Ajay
Ravi

Stack

```
import java.util.*;
Class Test {
 Public Static void main (String args[]){
  Stack <String> stack = new Stack <String> ();
        Stack.push ("Divyit");
        Stack.push ("Amit");
        Stack.push ("Ashish");
        Stack.push ("Gourima");
         Stack.pop ();
   iterator <String> itr = str.iterator ();
     while (itr.hasNext ()){
```

System.out.println(itr.next()); }}}

Output:-

Gaurit
Amit
Ashish

HashSet

```
import java.util.*;
Public Class Test {
  Public static void main (String args[]) {
    HashSet <String> set = new HashSet <String> ();
      set.add("Ravi");
      set.add ("vijay");
      set.add ("Ajay");
      set.add ("Ravi");
  System.out.println (set); }}
```

Output:-

Vijay
Ravi
Ajay.

Deque

```
import. java.util.*;
Public Class Test {
  Public static void main (String args[]){
    Deque <String> deque = new ArrayDeque <String> ();
      deque.addFirst ("Gautam");
      deque.addLast ("Karan");
      deque.offer ("Ajay");
System.out.println (deque)}};
```

Queue :-

```
import java.util.*;
class Main {
    Public static void main (String [] args) {
        Queue <String> queue = new LinkedList <> ();
            queue.add ("apple");
            queue.add ("banana");
            queue.add ("cherry");
System.out.println ("Queue:" + queue); }}
```

Output:-

Queue : [apple, banana, cherry]