CSA-0985 JAVA

Collection in JAVA

Assignment-3

Sanjay Kumar Sah
192311151

~~Collection~~

Array List

```
import java.util.*;
Class TestJAVa Collection1 {
    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

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

output:-

Amit
Abhish
Gopima.

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("Harshit");
        Stack.push("Amit");
        Stack.push("Ashish");
        Stack.push("Garima");
         Stack.pop();
  iterator<String> itr = itr.iterator();
    while (itr.hasNext()){
```

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

output:-

Gaurit
Amit
Adhish

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]