CSA-0985-JAVA

Collection On JAVA

ASSIGNMENT-3

VIVEK A
19232158
B.Tech. I.T

12/05/24

i) Array List

```
Import java.util.*;
class Test Java Collect001 {
        Public static void main (String args [])
    {
        Arraylist <String> list = new Arraylist <string> ();
            list.add ("Ravi");
            list.add (' Vijay");
            list.add ("Rai");
            list.add (" Ajay");
        iterator itr = list.literator ();
        while (itr. hasNext ()) {
        System.out println (itr. next ()); }}
        }
```

ii) Linked List:-

```
Import java.util.*;
class main {
        Public static Void main (string args []) {
        linkedlist <string> al = new linkedlist <strong> ();
            al. add ("Ravi')
            al. add (" Vijay")
            al. add ("Ajay");
```

```java
iterator <string> itr = al.iterator();
while (itr.hasNext()) {
    System.out.println(itr.next()); }
}
```

iii) **Vector**

```java
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 ("Garima");
        iterator <String> itr = V.iterator();
        While (itr.hasNext()) {
            System.out.println(itr.next()); }
    }
}
```

iv) <u>Tree Set</u>

```java
Import 'java.util.*;
class test {
    Public static void main ( String args []) {
        Tree set <string> set = new Treeset <string> ();
        Set.add ("Ravi")
        Set.add ('Ajay');
        Set.add ("Vijay");
        iterator <string> its = set.iterator();
        while (its.has Next ()) {
            System.out.println (itr.next ()); }}
    }
```

v) <u>Hash set</u>

```java
Import 'java.util.*;
    Public class test {
        Public static void main (String arg[]) {
            hashset <string> set = new hashset <string> ();
            Set.add ("Ravi");
            Set.add ("Vijay");
            Set.add ("Ajay");
            Set.add ("Ravi");
            System.out.println (set); }}
    }
```

Deque

```
Import java.util.*;

Public class test {
    Public static Void main (String args[]){
        Deque <String> deque = new Array Deque <String> ();
        · deque.add first ("Gautam");
        deque. add Lest (" Karan");
        deque. offer ('Ajay");
        System.out.print (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.print ("Queue" + queue); }
}
```