1).**ArrayList:**

**package** Arraylist1;

**import** java.util.\*;

**public** **class** ArrayListex1 {

**public** **static** **void** main(String[] args) {

ArrayList<String>list=**new** ArrayList<String>();

list.add("coorga");

list.add("goa");

list.add("kerala");

list.add("pandeee");

list.add("bgm");

System.***out***.println(list);

System.***out***.println("display iterator elements:");

Iterator itr=list.iterator();

**while**(itr.hasNext())

{

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

}

System.***out***.println("traversing list through for-each loop:");

**for**(String places:list)

System.***out***.println(places);

System.***out***.println("returning element:"+list.get(1));

list.set(2, "Bangalore");

System.***out***.println("updated list:"+list);

ArrayList<Integer>num=**new** ArrayList<Integer>();

num.add(12);

num.add(15);

num.add(14);

num.add(11);

Collections.*sort*(num);

**for**(Integer numbers:num)

System.***out***.println(numbers);

num.remove(0);

System.***out***.println("after remove method:"+num);

}

}

o/p:

[coorga, goa, kerala, pandeee, bgm]

display iterator elements:

coorga

goa

kerala

pandeee

bgm

traversing list through for-each loop:

coorga

goa

kerala

pandeee

bgm

returning element:goa

updated list:[coorga, goa, Bangalore, pandeee, bgm]

11

12

14

15

after remove method:[12, 14, 15]

2).**LinkedList:**

**package** linkedlist1;

**import** java.util.\*;

**public** **class** Linkedlist1 {

**public** **static** **void** main(String[] args)

{

LinkedList<String>list=**new** LinkedList<String>();

list.add("coorga");

list.add("goa");

list.add("kerala");

list.add("pandeee");

list.add("bgm");

System.***out***.println(list);

list.addFirst("hydrabad");

list.add("bgk");

list.addLast("dandeli");

System.***out***.println("after add methods:"+list);

list.removeFirst();

list.removeLast();

System.***out***.println("after removing:"+list);

list.clear();

System.***out***.println("after clear() method:"+list);

}

}

**o/p:**

[coorga, goa, kerala, pandeee, bgm]

after add methods:[hydrabad, coorga, goa, kerala, pandeee, bgm, bgk, dandeli]

after removing:[coorga, goa, kerala, pandeee, bgm, bgk]

after clear() method:[]

3).**vector:**

**package** vector;

**import** java.util.\*;

**public** **class** Vector1 {

**public** **static** **void** main(String[] args) {

Vector<String>list=**new** Vector<String>(4);

list.add("coorga");

list.add("goa");

list.add("kerala");

list.add("pandeee");

System.***out***.println("size is:"+list.size());

System.***out***.println("default capacity is:"+list.capacity());

System.***out***.println(list);

list.addElement("bgk");

System.***out***.println("size after addition:"+list.size());

System.***out***.println("default capacity after addition :"+list.capacity());

System.***out***.println(list);

**if**(list.contains("bgk"))

{

System.***out***.println("bgk is present at the index:"+list.indexOf("bgk"));

}\*

**else**

{

System.***out***.println("bgk is not in list");

}

}

}

o/p:

size is:4

default capacity is:4

[coorga, goa, kerala, pandeee]

size after addition:5

default capacity after addition :8

[coorga, goa, kerala, pandeee, bgk]

bgk is present at the index4

4) priorityQueue:

**package** priorityqueue;

**import** java.util.\*;

**public** **class** Collection {

**public** **static** **void** main(String[] args)

{

PriorityQueue<String>list=**new** PriorityQueue<String>();

list.add("coorga");

list.add("goa");

list.add("kerala");

list.add("pandeee");

list.add("bgm");

System.***out***.println("head:"+list.element());

System.***out***.println("head:"+list.peek());

System.***out***.println("display iterator elements:");

Iterator itr=list.iterator();

**while**(itr.hasNext())

{

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

}

list.remove();

list.poll();

System.***out***.println("after removing two elements");

Iterator<String>itr1=list.iterator();

**while**(itr1.hasNext())

{

System.***out***.println(itr1.next());

}

}

}

o/p:

head:bgm

head:bgm

display iterator elements:

bgm

coorga

kerala

pandeee

goa

after removing two elements

goa

pandeee

kerala