Assignment 3

Write a program which can store List of Integer values and print all the values using for loop.

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** First {

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

{

ArrayList<Integer> obj3=**new** ArrayList<Integer>();

obj3.add(100);

obj3.add(400);

obj3.add(500);

obj3.add(600);

obj3.add(700);

**for** (**int** i=0;i<obj3.size();i++)

{

System.***out***.println(obj3.get(i));

}

}

}

Write a program which can store List of Integer values and print all the values using for for loop.

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** First {

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

{

ArrayList<Integer> obj3=**new** ArrayList<Integer>();

obj3.add(100);

obj3.add(400);

obj3.add(500);

obj3.add(600);

obj3.add(700);

**for** (Integer var:obj3)

{

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

}

}

}

Write a program which can store List of Integer values and print all the values using for iterator

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.List;

**public** **class** First {

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

{

ArrayList<Integer> obj3=**new** ArrayList<Integer>();

obj3.add(100);

obj3.add(400);

obj3.add(500);

obj3.add(600);

obj3.add(700);

Iterator<Integer> itr=obj3.iterator();

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

{

Integer num=itr.next();

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

}

}

}

Write a program which will print sum of all numbers which is stored in list.

**Answer** :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.List;

**public** **class** First {

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

{

ArrayList<Integer> obj3=**new** ArrayList<Integer>();

obj3.add(100);

obj3.add(400);

obj3.add(500);

obj3.add(600);

obj3.add(600);

**int** c=obj3.get(0)+obj3.get(1)+obj3.get(2)+obj3.get(3)+obj3.get(4);

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

}

}

Write a program which will pick the values from Array and Store them List.

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.LinkedList;

**import** java.util.List;

**public** **class** First {

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

{

ArrayList<Integer> obj3=**new** ArrayList<Integer>();

obj3.add(100);

obj3.add(400);

obj3.add(500);

obj3.add(600);

obj3.add(600);

//System.out.println(obj3);

List<Integer> obj4=**new** ArrayList<Integer>();

{

obj4.addAll(obj3);

System.***out***.println(obj4);

}

}

}

Create a list of numbers 33,44,55,66,77,88 and perform below operation

Remove second element from list using index

Remove second element from list using value

Add 90 at index 3

Get the length of list

Print all values from list using any values

Convert List into array.

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.LinkedList;

**import** java.util.List;

**public** **class** First {

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

{

ArrayList<Integer> obj12=**new** ArrayList<Integer>();

obj12.add(33);

obj12.add(44);

obj12.add(55);

obj12.add(66);

obj12.add(77);

obj12.add(88);

//Remove second element from list using index

System.***out***.println(obj12);

System.***out***.println(obj12.remove(2));

System.***out***.println(obj12);

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

//Add 90 at index 3

obj12.add(3, 90);

System.***out***.println(obj12);

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

//Get the length of list

System.***out***.println("length of list "+obj12.size());

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

//Print all values from list using any values

**for** (Object var:obj12)

{

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

}

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

//Convert List into array and Printing the Values

Object[] convert4=obj12.toArray();

**for** (Object var:obj12)

{

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

}

}

}

Write a program which will display true if list contains Mobile else prints false

List  - Web Automation, API Automation, Mobile Automation.

Output – True

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** Third33 {

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

{

List<String> list100= **new** ArrayList<String>();

list100.add("Web Automation");

list100.add("API Automation");

list100.add("Mobile Automation");

System.***out***.println(list100);

System.***out***.println(list100.get(2));

System.***out***.println(list100.get(2).contains("Mobile"));

}

}