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

**public** **class** ListForloop {

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

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

NumberList.add(10);

NumberList.add(201);

NumberList.add(999);

NumberList.add(1000);

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

{

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

}

}

}

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

**public** **class** ListValues {

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

// Print all values from list using any values

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

//Printing the Array List

System.***out***.println("Elements of List: " + NumberList);

//Declaring Array with Equal Size to the List

**int**[]arr = **new** **int** [NumberList.size()];

//Converting List to Array

NumberList.toArray();

//Converting to Array

**for** (**int** i = 0 ; i < arr.length ; i++){

arr[i] = NumberList.get(i);

}

//Printing the Array

System.***out***.print("Elements of Array: ");

**for** (**int** i = 0 ; i < arr.length ; i++){

System.***out***.print(arr[i] + " ");

}

}

}

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

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

**public** **class** ListSumup {

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

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

NumberList.add(10);

NumberList.add(201);

NumberList.add(999);

NumberList.add(1000);

**int** sum = 0;

//Loop through the list to calculate sum of elements

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

{

**int** arr = NumberList.get(i);

sum = sum + arr;

}

System.***out***.println("Sum of all the numbers stored in the list: " + sum);

}

}

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

**public** **class** ArrayAndList {

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

Object a[] = **new** Object[] { "john", "Sunny", "email@gmail.com", 1 };

// Getting the list view of Array

List<Object> list = Arrays.*asList*(a);

// Printing all the elements in list object

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

}

}

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

Remove second element from list using index

**public** **class** ListModifyByIndex {

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

// Remove second element from list using index

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

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

NumberList.remove(1);

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

}

}

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

Remove second element from list using value

**public** **class** ListModifyByValue {

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

// Remove second element from list using value

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

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

NumberList.remove(Integer.*valueOf*(44));

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

}

}

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

Add 90 at index 3

**public** **class** ListAddValue {

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

// Add 90 at index 3

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

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

NumberList.add(3, 90);

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

}

}

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

Get the length of list

**public** **class** ListLength {

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

// Get the length of list

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

System.***out***.println(NumberList.size());

}

}

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

Print all values from list using any values

**public** **class** ListValues {

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

// Print all values from list using any values

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

//Printing the Array List

System.***out***.println("Elements of List: " + NumberList);

//Declaring Array with Equal Size to the List

**int**[]arr = **new** **int** [NumberList.size()];

//Converting List to Array

NumberList.toArray();

//Converting to Array

**for** (**int** i = 0 ; i < arr.length ; i++){

arr[i] = NumberList.get(i);

}

//Printing the Array

System.***out***.print("Elements of Array: ");

**for** (**int** i = 0 ; i < arr.length ; i++){

System.***out***.print(arr[i] + " ");

}

}

}

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

Convert List into array.

**public** **class** ListToArray {

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

// Print all values from list using any values

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

NumberList.add(33);

NumberList.add(44);

NumberList.add(55);

NumberList.add(66);

NumberList.add(77);

NumberList.add(88);

}

}

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

List - Web Automation, API Automation, Mobile Automation.

Output – True

**public** **class** ListValuePresent {

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

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

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

automationtools.add("Web Automation");

automationtools.add("API Automation");

automationtools.add("Mobile Automation");

System.***out***.println(automationtools.offer("mobile"));

}

}