# Assignment 3

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

package seleniumWebdriver;

import java.util.ArrayList;

public class arrlist {

public static void main(String[] args) {

arrlist printArrayList = new arrlist();

printArrayList.arraylist();

}

public void arraylist() {

ArrayList <Integer> arrli = new ArrayList();

for(int i = 1; i<=10; i++) {

arrli.add(i);

}

for(int i = 0; i < arrli.size(); i++) {

System.out.print(arrli.get(i) + " ");

}

}

}

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

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

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist2 {

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

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

empId.add(20);

empId.add(40);

empId.add(60);

empId.add(80);

empId.add(100);

empId.add(120);

**for**(**int** i:empId) {

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

}

}

}

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

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist2 {

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

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

**int** sum = 0;

**int** i = 0;

empId.add(20);

empId.add(40);

empId.add(60);

empId.add(80);

empId.add(100);

empId.add(120);

**while** (i<6) {

sum = sum + empId.get(i);

i++;

}

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

}

}

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

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist3 {

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

**int** num[] = {23, 13, 122, 16, 10, 83, 33, 283};

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

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

myNum.add(num[i]);

}

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

}

}

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

Remove second element from list using index

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist4 {

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

//Create a list of numbers 33,44,55,66,77,88

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

myNum.add(33);

myNum.add(44);

myNum.add(55);

myNum.add(66);

myNum.add(77);

myNum.add(88);

//Remove second element from list using index

myNum.remove(1);

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

}

}

Remove second element from list using value

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist4 {

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

//Create a list of numbers 33,44,55,66,77,88

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

myNum.add(33);

myNum.add(44);

myNum.add(55);

myNum.add(66);

myNum.add(77);

myNum.add(88);

//Remove second element from list using index

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

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

}

}

Add 90 at index 3

Get the length of list

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist4 {

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

//Create a list of numbers 33,44,55,66,77,88

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

myNum.add(33);

myNum.add(44);

myNum.add(55);

myNum.add(66);

myNum.add(77);

myNum.add(88);

//Remove second element from list using index

myNum.add(3, 90);

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

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

}

}

Print all values from list using any values

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist4 {

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

//Create a list of numbers 33,44,55,66,77,88

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

myNum.add(33);

myNum.add(44);

myNum.add(55);

myNum.add(66);

myNum.add(77);

myNum.add(88);

**for**(**int** i:myNum) {

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

}

}

}

Convert List into array.

**package** seleniumWebdriver;

**import** java.util.ArrayList;

**public** **class** arrlist4 {

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

//Create a list of numbers 33,44,55,66,77,88

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

myNum.add(33);

myNum.add(44);

myNum.add(55);

myNum.add(66);

myNum.add(77);

myNum.add(88);

Object[] myobj = myNum.toArray();

**for**(Object i:myobj) {

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

}

}

}

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

List - Web Automation, API Automation, Mobile Automation.

Output – True

import java.util.ArrayList;

public class ArrayListContainsExample {

public static void main(String[] args) {

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

list.add("Web Automation");

list.add("API Automation");

list.add("Mobile Automation");

if (list.contains("Mobile")) {

System.out.println("True");

} else {

System.out.println("False");

}

}

}