# Assignment 3

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

**package** assignmentthree;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** Task1 {

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

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

myList.add(18);

myList.add(19);

myList.add(20);

myList.add(25);

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

{

System.***out***.println("Integer values from List are " +myList.get(i));

}

}

}

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

**package** assignmentthree;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** Task2 {

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

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

myList.add(18);

myList.add(19);

myList.add(20);

myList.add(25);

// For each loop

**for**(Integer list1: myList)

{

System.***out***.println(list1);

}

}

}

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

**package** assignmentthree;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.List;

**public** **class** Task3 {

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

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

myList.add(18);

myList.add(19);

myList.add(20);

myList.add(25);

//Iterable

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

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

{

Integer l1=itr.next();

System.***out***.println(l1);

}

}

}

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

**package** assignmentthree;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.List;

**public** **class** Task4 {

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

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

myList.add(18);

myList.add(19);

myList.add(20);

myList.add(25);

**int** a1=myList.get(0);

**int** a2=myList.get(1);

**int** a3=myList.get(2);

**int** a4=myList.get(3);

System.***out***.println(a1+a2+a3+a4);

}

}

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

**package** assignmentthree;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** Task5 {

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

// **TODO** Auto-generated method stub

List<Integer> ints = Arrays.*asList*(18,25,30,35,46);

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

}

}

6.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.

**package** assignmentthree;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** Task6 {

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

// **TODO** Auto-generated method stub

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

num.add(33);

num.add(44);

num.add(55);

num.add(66);

num.add(77);

num.add(88);

//A.Remove second element from list using index

num.remove(1);

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

//B.Remove second element from list using value

//Not done

//C.Add 90 at index 3

num.add(3, 90);

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

//D.Get the length of list

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

//E.Print all values from list using any values

**for**(Integer s1:num)

{

System.***out***.println(s1);

}

//F.Convert List into Array

ArrayList<Integer> num1 = **new** ArrayList<>(num);

System.***out***.println(num1);

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

List - Web Automation, API Automation, Mobile Automation.

Output – True

**package** assignmentthree;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** Task7 {

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

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

str.add("Web Automation");

str.add("API Automation");

str.add("Mobile Automation");

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

System.***out***.println(str.contains("Mobile"));

}

}