# Assignment 3

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

**package** assignment3;

**import** java.util.LinkedList;

**import** java.util.List;

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

//Write a program which can store List of Integer

//values and print all the values using for loop.

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

List<Integer> value=**new** LinkedList<>();

value.add(10);

value.add(20);

value.add(30);

value.add(40);

//System.out.println(add);

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

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

}

}

}

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

**package** assignment3;

**import** java.util.Iterator;

**import** java.util.LinkedList;

**import** java.util.List;

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

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

// Write a program which can store List of

//Integer values and print all the values using for iterator

List<Integer> value=**new** LinkedList<>();

value.add(10);

value.add(20);

value.add(30);

value.add(40);

Iterator<Integer> value2=value.iterator();

**for**(**int** i=0;i<4;i++) {

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

}

}

}

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

**package** assignment3;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

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

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

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

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

num.add(10);

num.add(20);

num.add(30);

num.add(40);

**int** sum=0;

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

sum+=num.get(i);

System.***out***.println("Sum of number"+sum);

}

}

}

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

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** assignment3;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

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

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

// 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.

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

List <Integer> number=Arrays.*asList*(33,44,55,66,77,88);

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

//Remove second element from list using index

List <Integer> l1=**new** ArrayList(number);

l1.remove(1);

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

//Remove second element from list using value

// l1.remove(55);

//Add 90 at index 3

l1.add(3, 90);

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

//Get the length of list

**int** size = l1.size();

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

//Print all values from list using any values

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

//Convert List into array.

}

}

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

List - Web Automation, API Automation, Mobile Automation.

Output – True

**package** assignment3;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

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

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

List <String> contain=Arrays.*asList*("Web Automation", "API Automation", "Mobile Automation");

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

**boolean** check = contain.contains("Mobile Automation");

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

}}