# Assignment 4

1. Create a list of String and print the values in reverse order

Input – Java, Selenium, TestNG, Git, Github

Output- Github, Git, TestNG, Selenium, Java

**package** assignmentfour;

**import** java.util.ArrayList;

**import** java.util.Collections;

**import** java.util.List;

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

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

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

str.add("Java");

str.add("Selenium");

str.add("TestNG");

str.add("Git");

str.add("GitHub");

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

Collections.*reverse*(str);

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

}

}

1. Write a program which will accept List of String and produce another List of string of which will have only values which starts with git

Input – Git, Github, GitLab,GitBash, Selenium, Java, Maven

Output- Git, Github, Gitlab, GitBash

// Not done

1. Write a program that will remove duplicate values from List

Input – Java, TestNG, Maven, Java,

Output – Java, TestNG, Maven

**package** assignmentfour;

**import** java.util.ArrayList;

**import** java.util.LinkedHashSet;

**import** java.util.List;

**import** java.util.Set;

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

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

// Java, TestNG, Maven, Java,

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

myList.add("Java");

myList.add("TestNG");

myList.add("Maven");

myList.add("Java");

Set<String> s = **new** LinkedHashSet<String>(myList);

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

}

}

1. Create a list of values and print the second element, second last element.

Input – 10,45, 90,45, 23, 90, 44

Output – 45,90

**package** assignmentfour;

**import** java.util.ArrayList;

**import** java.util.LinkedList;

**import** java.util.List;

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

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

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

num.add(10);

num.add(45);

num.add(90);

num.add(45);

num.add(90);

num.add(44);

System.***out***.println(num.get(1));

}

}

1. Create a list which can accept another list as an element.

List 1- 11,22,33

List 2- 9,19,29

List 3- 7,17,27

Hint - ArrayList<ArrayList<Integer>> l1=new ArrayList<>();

**package** assignmentfour;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

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

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

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

List<Integer> list1 = Arrays.*asList*(11,22,33);

List<Integer> list2 = Arrays.*asList*(9,19,29);

List<Integer> list3 = Arrays.*asList*(7,17,27);

}

}