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

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.Collections;

**import** java.util.List;

**public** **class** Third33 {

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

{

ArrayList<String> obj6= **new** ArrayList<String>();

obj6.add("Java");

obj6.add("Selenium");

obj6.add("TestNG");

obj6.add("Git");

obj6.add("Github");

System.***out***.println(obj6);

**for** (**int** i=0;i<obj6.size();i++)

{

System.***out***.println(obj6.get(i));

}

Collections.*reverse*(obj6);

System.***out***.println(obj6);

**for** (**int** i=0;i<obj6.size();i++)

{

System.***out***.println(obj6.get(i));

}

}}

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

**Answer** :

**package** Assignment3;

**import** java.util.ArrayList;

**public** **class** GIT {

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

{

ArrayList<String> obj9= **new** ArrayList<String>();

obj9.add("Git");

obj9.add("Github");

obj9.add("GitLab");

obj9.add("GitBash");

obj9.add("Selenium");

obj9.add("Java");

obj9.add("Maven");

System.***out***.println(obj9.get(0));

System.***out***.println(obj9.get(1));

System.***out***.println(obj9.get(2));

System.***out***.println(obj9.get(3));

}

}

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

Input – Java, TestNG, Maven, Java,

Output – Java, TestNG, Maven

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**public** **class** duplicate {

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

{

ArrayList<String> obj9= **new** ArrayList<String>();

obj9.add("Java");

obj9.add("TestNG");

obj9.add("Maven");

obj9.add("Java");

obj9.add("TestNG");

obj9.add("Maven");

System.***out***.println(obj9);

ArrayList<String> obj10= **new** ArrayList<String>();

**for** (String var4:obj9)

{

**if**(!obj10.contains(var4))

{

obj10.add(var4);

}

}

**for** (String var5:obj10)

{

System.***out***.println(var5);

}

}

}

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

Answer:

**package** Assignment3;

**import** java.util.ArrayList;

**public** **class** Last {

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

{

{

ArrayList<Integer> obj9= **new** ArrayList<Integer>();

obj9.add(10);

obj9.add(45);

obj9.add(90);

obj9.add(45);

obj9.add(23);

obj9.add(90);

obj9.add(44);

System.***out***.println(obj9);

System.***out***.println(obj9.get(1));

System.***out***.println(obj9.get(5));

}

}}

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<>();

Answer :

**package** Assignment3;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** Fiveeee {

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

{

ArrayList<Integer> list1=**new** ArrayList<Integer>();

list1.add(11);

list1.add(22);

list1.add(33);

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

ArrayList<Integer> list2=**new** ArrayList<Integer>();

list2.add(9);

list2.add(19);

list2.add(29);

list2.addAll(list1);

System.***out***.println(list2);

ArrayList<Integer> list3=**new** ArrayList<Integer>();

list3.add(7);

list3.add(17);

list3.add(27);

list2.addAll(list3);

System.***out***.println(list2);

}

}