Program – 1

Write a Java program to append the specified element to the end of a HashSet.

Code:

package com.study;

import java.util.HashSet;

public class AppendToHashSet {

public static void main(String[] args) {

HashSet<String> str = new HashSet<>();

// Adding initial element to the Hashset

str.add("Dog");

str.add("Horse");

str.add("Rabbit");

// Print the HashSet before adding a new element

System.***out***.println("HashSet before appending:" + str);

// Append a new element to the HashSet

String elementTOAppend = "Animal";

str.add(elementTOAppend);

// Printing the updated hash set

System.***out***.println("Updated HashSet :" + str);

}

}

Output:

HashSet before appending:[Horse, Rabbit, Dog]

Updated HashSet :[Animal, Horse, Rabbit, Dog]

Program-2

Write a program to declare stack. Store 10 elements into it. Remove 4 elements from

stack and display it.

Code:

package com.study;

import java.util.Stack;

public class StackEx {

public static void main(String[] args) {

// Declare a Stack of Integer type

Stack<Integer> stack = new Stack<>();

// Pushing 10 elements onto the Stack

stack.push(10);

stack.push(15);

stack.push(20);

stack.push(25);

stack.push(30);

stack.push(40);

stack.push(50);

stack.push(55);

stack.push(60);

stack.push(70);

// Display the Stack after pushing 10 elements

System.***out***.println("Element:" + stack);

stack.pop();

stack.pop();

stack.pop();

stack.pop();

// Display the Stack after removing 4 elements

System.***out***.println("Element after remove :" + stack);

}

}

Output:

Element:[10, 15, 20, 25, 30, 40, 50, 55, 60, 70]

Element after remove :[10, 15, 20, 25, 30, 40]