1)

//program to convert a list of strings in to uppercase  
import java.util.Arrays;  
import java.util.List;  
import java.util.stream.Collectors;  
  
public class ConvertToUppercase {  
 public static void main(String[] args) {  
 // List of strings  
 List<String> list = Arrays.*asList*("aBc","d","ef");  
  
 // Convert each string to uppercase using map  
 List<String> uppercaselist = list.stream()  
 .map(String::toUpperCase)  
 .collect(Collectors.*toList*());  
  
 // Print the result  
 System.*out*.println("Uppercase Strings list: "+uppercaselist);  
 }  
}

Output:

Uppercase Strings list: [ABC, D, EF]

2)

//Program to print list of non empty strings  
  
import java.util.Arrays;  
import java.util.List;  
import java.util.stream.Collectors;  
public class nonEmptyStrings {  
 public static void main(String[] args) {  
  
 List<String> list = Arrays.*asList*("abc","","bd","efg","abcd","","jkl");  
  
 // Filter non-empty strings  
 List<String> nonEmptyList = list.stream()  
 .filter(s -> !s.isEmpty())  
 .collect(Collectors.*toList*());  
  
 // Print the non-empty strings  
 System.*out*.println("Non empty strings list: " + nonEmptyList);  
 }  
 }

Output: Non empty strings list: [abc, bd, efg, abcd, jkl]

3)

//Program to print list of students names start with letter A  
import java.util.Arrays;  
import java.util.List;  
import java.util.stream.Collectors;  
public class Students {  
 public static void main(String[] args) {  
 //list interface to store student names in to Arraylist  
 List<String> students = Arrays.*asList*("Jyothi","Dharani","Pavani","Avinash","Anirudh","Prasad","Aswani","Aadhya","Kavya","Pawan");  
 //Lambda expression and Stream API to filter student names  
 List<String> filteredStudents = students.stream().filter(name -> name.startsWith("A") ).collect(Collectors.*toList*());  
 System.*out*.println("Students names start with A: "+filteredStudents);  
 }  
}

Output:

Students names start with A: [Avinash, Anirudh, Aswani, Aadhya]

4)

/Program to calculate age  
import java.time.LocalDate;  
import java.util.Scanner;  
import java.time.Period;  
public class AgeOfPerson {  
  
 public static void main(String[] args) {  
 //Input of a person Date Of Birth  
 Scanner scanner = new Scanner(System.*in*);  
 System.*out*.print("Enter your date of birth (yyyy-mm-dd): ");  
 String dobInput = scanner.nextLine();  
 // Get the current date  
 LocalDate currentDate = LocalDate.*now*();  
 // Parse the input into a LocalDate  
 Period age = Period.*between*(LocalDate.*parse*(dobInput), currentDate);  
 System.*out*.println("Your age is: " + age.getYears() + " years, "  
 + age.getMonths() + " months, and "  
 + age.getDays() + " days.");  
 scanner.close();  
 }  
}

Output:

Enter your date of birth (yyyy-mm-dd): 1990-05-15

Your age is: 34 years, 7 months, and 6 days.