1. Use a one-dimensional array to solve the following problem: Write an application that inputs five numbers, each between 10 and 100, inclusive. As each number is read, display it only if it is not a duplicate of a number already read. Provide for the “worst case,” in which all five numbers are different. Use the smallest possible array to solve this problem. Display the complete set of unique values input after the user enters each new value.
2. Write a method that returns the number of days in a year using the following header:  
   public static int numberOfDaysInAYear(int year)

Write a test program that displays the number of days in year from 2005 to 2021.

1. Write a method that counts the number of letters in a string using the following header:  
   public static int countLetters(String s)

Write a test program that prompts the user to enter a string and displays the number of letters in the string.

1. Write a program that passes an unspecified number of integers as s single string to the main method and displays their total.