

Palindromic Dates

Introduction

A *palindromic date* is a date that, when written in the format *MMDDYYYY*, reads the same forward and backward. For example, May 2, 2050 is a palindromic date when written as 05022050.

Problem Statement

Create a Java classes (**PalindromicDates.java**) that identifies all palindromic dates in a given year. Your program must use the **LQueue.java** class that we have developed in class.

Problem Analysis

First, your program obtains a 4-digit year from the user. Then the program reports all palindromic dates in that year. Finally, the program asks the user if he or she wishes to try again.

Program Input

A 4-digit number representing a year.

Program Output

All palindromic dates in the year entered as input.

Extra Credit Option

Modify your program so that it also identifies the earliest palindromic date of the 21st century.

Submission Instructions

When you are satisfied with your implementation, and after testing it thoroughly, submit the **PalindromicDates.java** file via Blackboard Learn.