

Problem Set 4 Exercise #14: Date Conversion

Reference: Lecture 11 notes

Learning objective: Characters and Strings

Estimated completion time: 30 minutes

Problem statement:

[Simplified from CS1020 assignment]

There are two common formats used for dates. For example “December 25, 2005” is commonly used in the UK, whereas “25 December 2005” is more popular with the Americans.

Write a **non-OO** program **PS4_Ex14_DateConvert.java** that reads the UK date format and outputs the equivalent American format. The input consists of the month, a space, the day, a comma, a space and the year.

Do NOT use the **Date** class, the **SimpleDateFormat** class or any other date formatter class in the Java API.

Sample run #1:

```
Enter date in UK format: December 25, 2005
Date in American format: 25 December 2005
```

Sample run #2:

```
Enter date in UK format: February 14, 1980
Date in American format: 14 February 1980
```

Useful tips:

Explore the **substring()** and **indexOf()** methods of the Java **String** class.