**44-542 Object Oriented Programming**

**Objects 03**

1. Assume we represent dates by strings of the form "dd/mm/yyyy", where "dd" is the number of the day, "mm" is the number of the month, and "yyyy" is the year. For example, May 3, 2001 is represented by the string "03/05/2001" and October 29, 2003 is represented by the string "29/10/2003".

Assume **date** is a reference to a **String** object representing a date.

(a) Write an expression that returns the day.

(b) Write an expression that returns the month.

(c) Write an expression that returns the year.

2. Assume **wizard** is a reference to a **String** object representing a person's name. A name consists of two words: a first name followed by a last name, separated by exactly one space. For example, we might have declared **wizard** as follows:

**String wizard = "Harry Potter";**

Write code to do each of the following (***your code must work for any name, not just for the one shown in the example***).

(a) Display the person's first name (**"Harry"** for the example above).

(b) Display the person's last name (**"Potter"** for the example above).

(c) Display the person's last name, followed by a comma and space, followed by the person's first name (**"Potter, Harry"** for the example above).

(d) Display the person's initials, each followed by a period (**"H.P."** for the example above).