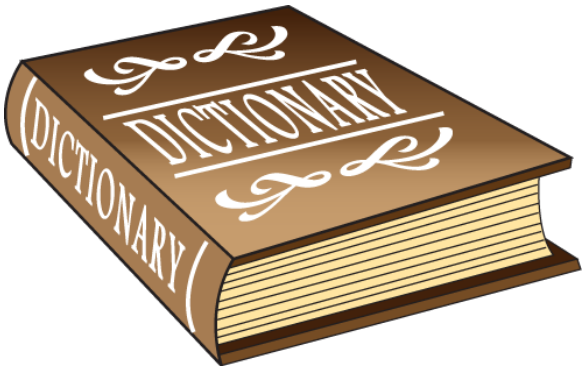
CIS 470 – iOS Programming
HW 04 – Name That Month



Write a program that prompts the user for a date in the form of mm/dd/yyyy. Then prints the date in the form of "Month dd, yyyy" using a dictionary (not an array) to convert numeric months to month names. For example, if the user enters "4/15/2011", your program should return "April 15, 2011". Your program should not contain a 12-level "if-else-if" statement to do this. Nor should it contain a "case" statements. Your program may assume that the user always enters a valid date string. It is acceptable if the word "Optional" appears in your output.

Hint: You will need to tokenize the input data string to extract month, date and year. Swift's string class has a method called `componentsSeparatedByString()` *which permits us to easily tokenize a string. For example, given a string representation of an IP Address such as "192.168.1.112", we can tokenize the string to extract each of the octets into an array of strings in the following way:*

```
let ipString = "192.168.1.112"
let octets = ipString.componentsSeparatedByString(".")
```

This results in the following value of octets:

```
octets = ["192", "168", "1", "112"]
```

The `componentsSeparatedByString()` *method takes the single parameter which represents the separator string. In this case, we separate the string based on the '.' character. The resulting octets array has 4 elements as shown.*