

The Calendar

In this assignment, you will combine what you have learned about arrays, dates and strings. Given the number for a month and a year, produce a calendar for that month. Do not use a GUI but produce the calendar as text output to the console. Here is an example of what it might look like:

```
August 2015
           1
    2   3   4   5   6   7   8
    9  10  11  12  13  14  15
   16  17  18  19  20  21  22
   23  24  25  26  27  28  29
   30  31
```

Suggestion solution:

Your calendar must be formatted as shown. Store the calendar in a one-dimension array of Strings with a size of 48. Determine what day of the week the first of that month falls on and store the day numbers starting at that position. Determine the number of days in that month to tell when the day numbers must end.

For example, May 2013 starts on a Wednesday. Therefore the array will look like:

```

      S    M    T    W    Th    F    Sa    ...    W    Th    F
Pos:  0     1     2     3     4     5     6     ...  31  32  33  34  ...
Day#           1     2     3     4     ...  29  30  31     ...
```

The array begins at position 0 that is a Sunday.

Create just a single class that creates the array and then uses the `StringBuilder` to build a string that will look like the calendar above. Pass the month number and year number to the constructor.

The range of allowable month numbers are 0 (January) to 11 (December).