# Algorithm Description – Calendar

In plain English, point-form, think through the steps necessary to solve the given problem.

Make use of key words like *compare*, *iterate*, *store*.

In code, of course, these translate to conditional statements, loops, and using variables.

## Algorithm

INPUT

-Get the day number, make sure it is an integer between 1 and 7 inclusive, prompt again if input is invalid

-Get the number of days in the month, make sure it is an integer between 28 and 31 inclusive, prompt again if input is invalid

-Get the special day, make sure it is an integer within the range of the length of the month, if not prompt again for input

PROCESS

-Create a string that holds all of the days, and add a star next to the one that is the special day.

-Depending on initial day that is given is what day the calendar should start on

-Print days of the week and use day of the week to start the month on whichever day

OUTPUT

* If day number is 1 put 1st day on Sunday and if it day number is 2 put 1st day on Monday etc.
* If 29 days are in the month print 29 days in order with 2 spaces between each day number
* If special day is 16 put asterisk in front of the number