# 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

* Ask for day of the week input
  + Ensure it there is data and that it is an integer
    - Ensure integer is 1-7 inclusive
* Ask for number of days in the week
  + Ensure there is data and that it is an integer
    - Ensure input is 28-31 inclusive
* Ask for special day
  + Ensure input is present and that it is an integer
    - Ensure input is within 1- the number of days in the month

PROCESS

* Write SUN – SAT to terminal
  + Space between characters
  + “\n” at end of SAT
* print “1” starting at day of week provided
* print newline after each Saturday
* on special day replace space before day number with a “\*”