Write a command line program called **numadd** that finds 3 numbers to a sum.

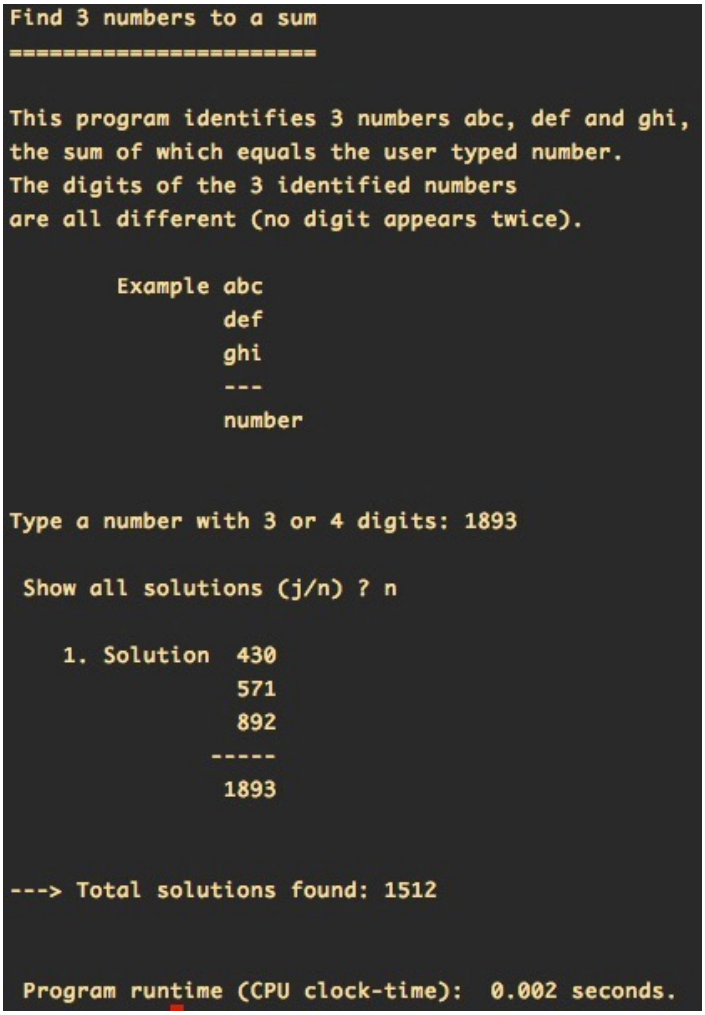
The program identifies 3 numbers *abc*, *def* and *ghi*, the sum of which equals the user typed *number*. The digits of the 3 identified numbers are all different (no digit appears twice).

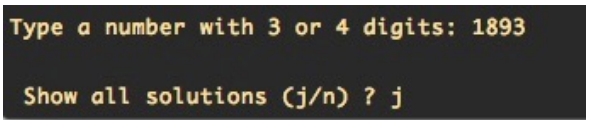
Example:

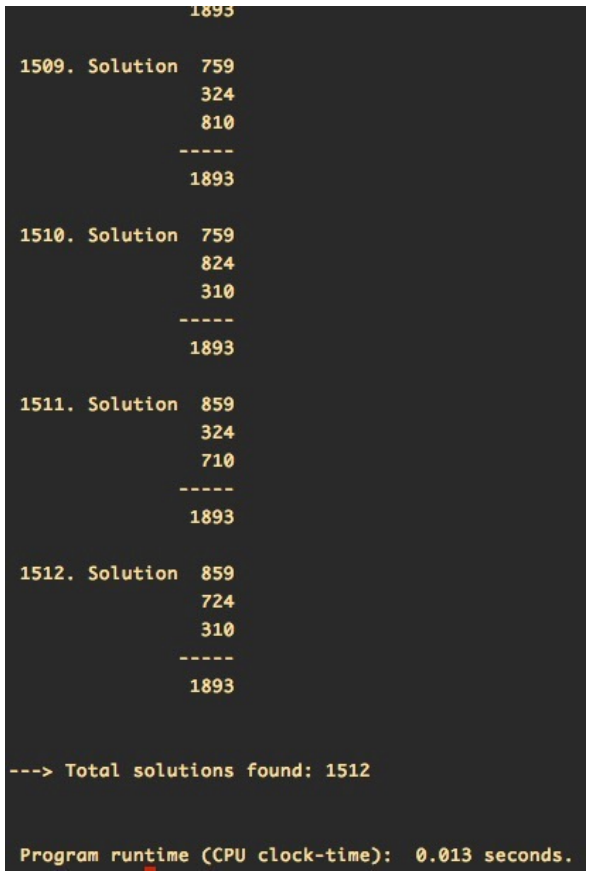
abc
def
ghi
———
number

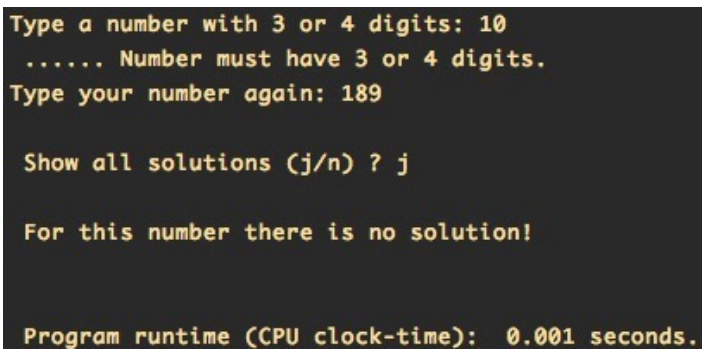
Bear in mind:

- *Speed does matter*. Display at the end, the time required to run the program (in seconds).
- Allowed typed number must have 3 or 4 digits. User validation required.
- The user has the option to specify, if only a solution is shown or all of them.
- For each number the total existing solutions are displayed. Show a label if no solution exists.
- The program must look as in the following screenshots:









Solution to be returned within 1 hour after start. Google usage is allowed. Good luck!