

To help us filter out CVs and reduce the time spent in interviews (for both us and you) please complete the following programming task...

Create a java based command line tool for validating a standard 9x9 Sudoku puzzle:

9		4		6		7		1
	2		4		3		8	
8								4
		1	8	4	9	6		
		3	2	5	7	9		
4								7
	8		6		4		5	
5		6		8		2		3

Command line: validate.bat puzzleName.txt

File format: csv format each line representing a row e.g.:

1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9
1,2,3,4,5,6,7,8,9

The program should print **VALID** or **INVALID** on stdout with the error text (in case of an invalid solution or file) and an appropriate status code.

There should be unit tests covering a range of error conditions and the project should be **maven** based.

It should be possible to unpack the code from a zip, generate a surefire report, build it and use a batch file to call the code from a packaged jar.

Please Note: The zip file should not contain any files with a .bat or .sh extension. Instead please rename the validate.bat file to validate.bat_rename. If the zip file contains this file extension it will not be accepted by the mail system (or for example be sent by a GMail account).