

170D WOBC Module i Practical 2B

Tickers

As an investment broker, you want to search for a ticker to see the name of the company associated to the ticker.

Write a program to read in `tickers` and then prompt the user to enter a ticker symbol and display the company name for that ticker. The `tickers` file is a colon separated list of 10 symbol:company pairs. There is one symbol:company pair per line with a total of 10 pairs in the file.

DIcE Rubric

Document	Project Writeup	Does the writeup document challenges and successes encountered?	0%
		Does the writeup document any lessons learned?	0%
	Grammar/Spelling	Is the project free of grammatical and spelling errors?	0%
		Is non-code formatting consistent?	0%
	Code Formatting	Is the code formatting consistent?	4%
		Are appropriate names chosen to enable code readability?	2%
		Are comments added where appropriate and aid understanding of the logic?	2%
		Is any outside code cited appropriately?	2%
	Total		10%
Implement	Version Control	Does the remote project have the correct name?	2%
		Has the local work been pushed properly?	2%
		Were commits broken down into appropriate scopes?	4%
		Are commit messages simple and informative?	2%
	Architecture	Are all function calls that are made required?	5%
		Are unused variables or functions avoided?	5%
	Total		20%

Execute	Safety	Does the program avoid crashing, even on invalid input?	0%
	Builds	Does the program run without any warnings or errors?	25%
	Requirements	Is all logic correct in regards to calculations and output?	25%
		Are all other requirements met?	20%
	Total		70%

Requirements

Area	Requirement
Implement	Project must be stored in your assigned VCS account, under the project name tickers .
Implement	Project must use appropriate data types or structures.
Implement	No third-party header files/libraries may be used unless signed off by the Program Manager or Instructor.
Implement	The project must have no compile or Valgrind errors or warnings. The following warning flags will be checked: -Wall -Wextra -Wpedantic -Wwrite-strings -Wstack-usage=1024 -Wfloat-equal -Waggregate-return -Winline
Implement	The compiled output must be named ticker .
Execute	Project must run on the class machine.
Execute	Project must be have tickers.c in the top level directory of the repository.
Execute	Project should not crash for any input of text, integers, or floats.

Suggested Extra Credit Features

Area	Feature	+
Document	Write a man(1) page (not covered in class) to document the program.	+1
Document	Complete a project writeup document. A writeup is considered an extra credit feature for this project. Future projects will require this writeup.	+2
Document	Ensure that all code conforms to the Linux kernel style guide.	+2
Implement	Create a makefile and have the project build with make money and with no target.	+1
Implement	When searching for a company, append the ticker/company pair to a file name search_results as well as printing the company name.	+4