

# Assignment #3

Activity: Assignment #3

Course: COMPSCI 3305B 001: OPERATING SYSTEMS

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Criteria	Level 0 0 points	Level 1 5 points	Level 2 10 points	Criterion Score
Followed submission instructions - Properly followed all submission instructions	Inadequately - Did not follow instructions at all. No tarball submitted or the tarball could not be opened requiring manual follow-up.	Somewhat - Followed most instructions. Single tarball submitted with contents but the contents do not match expectations (eg. missing files)	Perfectly - Followed instructions. Single tarball submitted with only expected contents ✓	10 / 10
Organization and Style - Properly documented and commented. Useful naming conventions. Appropriate spacing.	Inadequate - Commenting is inadequate or missing. Naming is consistently inadequate. Spacing and program layout is difficult to follow.	Fair - Commenting is generally okay. Naming is generally okay. Spacing and program layout is generally okay.	Exceptional - Commenting is exceptional. Naming is exceptional. Spacing and program layout is exceptional. ✓	9.5 / 10

**Criterion Feedback**

```
// Wait for all threads to complete
for (int i = 0; i < thread_count; i++) {
pthread_join(threads[i], NULL);
}
```

Criteria	Level 0 0 points	Level 1 5 points	Level 2 10 points	Criterion Score
<pre>//Print if the overall grid was valid. if(complete_result == 27) { printf("%s contains a valid sudoku\n",argv[1]); }</pre> <p>I suggest you use the same brackets' style for all the blocks:</p> <pre>if(complete_result == 27) { printf("%s contains a valid sudoku\n",argv[1]); }</pre>				
Command-line parameters - Program accepts one command-line parameter (A file to read)	Inadequate - Program does not accept a command-line argument or the command-line argument doesn't work	Partially meets expectations - Program accepts command-line arguments but improperly	Meets expectations - Program accepts two command-line arguments ✓	10 / 10
Program output - Program output matches the requirements including thread numbers	Inadequate - Program does not produce output or prints completely inaccurate output	Partially meets expectations - Program prints somewhat accurate output	Meets expectations - Program output matches the requirements including thread numbers ✓	10 / 10
Results - Program successfully identifies valid and invalid sudoku solutions	Inadequate - Program was not able to identify valid or invalid sudoku solutions	Partially meets expectations - Program was able to identify valid and invalid sudoku solutions but only under certain scenarios	Meets expectations - Program successfully identifies valid and invalid sudoku solutions ✓	10 / 10

Criteria	Level 0 0 points	Level 1 15 points	Level 2 30 points	Criterion Score
Threading - Program creates 27 threads	Inadequate - Program cannot thread properly	Partially meets expectations - Program can thread but improperly	Meets expectations - Program can thread properly ✓	30 / 30

Criteria	Level 0 0 points	Level 1 10 points	Level 2 20 points	Criterion Score
Waiting - The process waits for the threads to complete before continuing	Inadequate - The process does not wait for the threads to complete before continuing	Partially meets expectations - The process waits for the threads to complete before continuing but improperly	Meets expectations - The process waits for the threads to complete before continuing ✓	20 / 20

Total	99.5 / 100
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Overall Score

Level 1





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