

## Assignment 2

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## Summary

In this assignment, I created an init file that would create three workers with the same program (`add_files.c`) with the one file that was the same and one file that was different. The file that was the same for all three workers was the `datafile.dat` file. The files that differed were the `newx.dat` file where `x` is replaced by 1, 2, or 3. After the three workers were made, they all tried to open the `datafile.dat` and create an exclusive lock to it by using `flock`. The program for the worker would then read the `datafile.dat` and `newx.dat` and merge the two lists together in sorted order. Each worker would perform this task and would result in a `datafile.dat` that would be the same as the `ans.dat` file.