**Operating Systems Project 4**

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**Introduction:**

For this project out objective was to find the maximum char ASCII value for each line in a Wikipedia text dump document. We were to do this using OpenMP, pthreads, and MPI.

**Implementation:**

Each program uses a function find\_max which finds the maximum char is each line.

**OpenMP:**

**PThread:**

This program uses a thread\_process function that has each thread open the wiki file and get the line it’s supposed to process. It then get the max character for that line and stores it into an array. For loops are used to traverse the entire file and process each line. Command line arguments are set up to choose max threads and line amounts.

**MPI:**

**Evaluation:**

**OpenMP:**

**PThread:**

**MPI:**