

BITS F372 Operating Systems Assignment

Team members

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Implementation details

All of the 4 assignment questions have been done using the c++ language. The entire project was coded and tested on Ubuntu and Mac OS systems.

Run instructions

The individual c++ programs can be executed in 2 ways:

1. Navigate to each directory and follow the instructions inside each README file
2. Run the following command from the project root directory:

```
bash execute.sh <question_number>
```

- question_number takes the values **1**, **2**, **3**, and **4**, each of which correspond to the question number in the assignment PDF.
- Input **2** for IPC is currently not supported, please find running instructions for question 2 inside its folder - **2_ipc**.
- Input **4** takes a second optional argument - **print_pids** which can be used to print the process IDs of the different worker threads in the multithreaded program.