

COMP 8567

Advanced Systems Programming

Assignment 3

Due Date: Nov/4/2022

Write a C program, call it miniBash, that goes into an Infinite loop waiting for user's commands. Once a command is entered, your program should execute each command, using fork(), exec(), etc.

Note: your miniBash should also recognize special characters like & (for background execution) and >, < (for redirection). Your program should execute any command that can be entered on Bash.

Important: you are **NOT** required to process any commands with piping in this assignment.

miniBash> ls -l | grep abc

Examples of input

- miniBash> ps -e
- miniBash> cat sample.txt
- miniBash> ls -l home/username/documents
- miniBash> ls -l >sample.txt
- miniBash> hello & //Read about the "&" symbol in Linux and running a process in the background

Submission:

You need to submit a single .c file onto blackboard and only if required will have to provide a demo of the assignment