

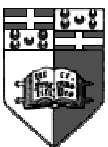


Tutorial Sheet 2

1. Write a process that waits for a command from the user and then executes the command given in the background.

Ex. 'a.out ps' will run 'ps' in the background

2. Implement a clock that stores the current number of seconds in a FIFO file guaranteeing that whoever reads from this file will get the current correct seconds.
3. Create a directory called *hidden* which is readable only to the user who created it. Write a process that when run will display the contents of this directory, regardless of who executes it.
4. Write 2 related processes such that what one process printf's, the other process will echo to screen.





Tutorial Sheet 2

4. Write multiple processes that can all read what the user types on the keyboard up to a limit of 100 characters without using the file system.
5. Build a $1 \diamond 4$ de-multiplexer that outputs continuously a series of bytes to the other process depending on the input destination from the user. The destination can be changed interactively without stopping the output at any one time.

