

NATIONAL UNIVERSITY OF MODERN LANGUAGES

ISLAMABAD



OPERATING SYSTEM (LAB)

Lab Report: 09

Submitted to
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Question # 01

- Start a process by running `man bash` and suspend it with `Ctrl+Z`.

```
junaidasifdev@Joni:~$ man bash
[1]+  Stopped                  man bash
junaidasifdev@Joni:~$
```

- Run process in the background, using `&`.

```
junaidasifdev@Joni:~$ man bash &
[2] 831
junaidasifdev@Joni:~$
```

- Use `jobs` to list the backgrounded and stopped processes.

```
junaidasifdev@Joni:~$ jobs
[1]-  Stopped                  man bash
[2]+  Stopped                  man bash
junaidasifdev@Joni:~$
```

- Use the `fg` command to bring `man` into the foreground, and quit from it as normal.

```
junaidasifdev@Joni:~$ fg %1
man bash
```

- Use `fg` to foreground the process, and terminate it with `Ctrl+C`.

```
junaidasifdev@Joni:~$ fg %1
-bash: fg: %1: no such job
```

- Run the process again, but this time without &. It should be running in the foreground (so you can't use the shell). Try suspending it with Ctrl+Z and see what happens. To properly put it into the background, use bg.

```
junaidasifdev@Joni:~$ man bash

[5]+  Stopped                  man bash
junaidasifdev@Joni:~$ bg %1
-bash: bg: %1: no such job
junaidasifdev@Joni:~$ jobs
[2]   Stopped                  man bash
[3]   Stopped                  man bash
[4]-  Stopped                  man bash
[5]+  Stopped                  man bash
junaidasifdev@Joni:~$
```

