

COMP3031: Principles of Programming Languages Labs

Fall 2014

Section: LA1

Time: Tue 10:30AM-11:20AM

Room: Rm 4210, Lift 19

SML Readline Support

- SML does not support [Readline](#) such as repeat previous commands by pressing "up" button.

```
zsuab@ras1:~$ sml
Standard ML of New Jersey v110.54 [built: Tue Jul 12 16:53:27
- 2+3;
val it = 5 : int
- ^[[A
```

- Using a wrapper is an alternative to bypass the issue. "rlwrap" is a wrapper which uses the GNU readline library to allow the editing of keyboard input for any other command.

- Steps to install and use rlwrap:

- Download it to your home directory:

```
$ wget -c https://course.cse.ust.hk/comp3031/lab/rlwrap-0.41.tar.gz
```

- Unzip:

```
$ tar zxvf rlwrap-0.41.tar.gz
```

- Configure & make:

```
$ cd rlwrap-0.41/
$ ./configure && make
```

- Add the directory of rlwrap to \$PATH and apply changes.

```
$ echo 'export PATH=$PATH:~/rlwrap-0.41/src/'>> ~/.bashrc
$ source ~/.bashrc
```

- Execute sml with readline support:

```
$ rlwrap sml
```

Done! You can enjoy SML with readline now! :-)

Last updated: Sep.30, 2014

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Notice: you only need to configure rlwrap once, next time you login to the machine, just type "rlwrap sml" is OK.

- References:

[rlwrap man page](#)