

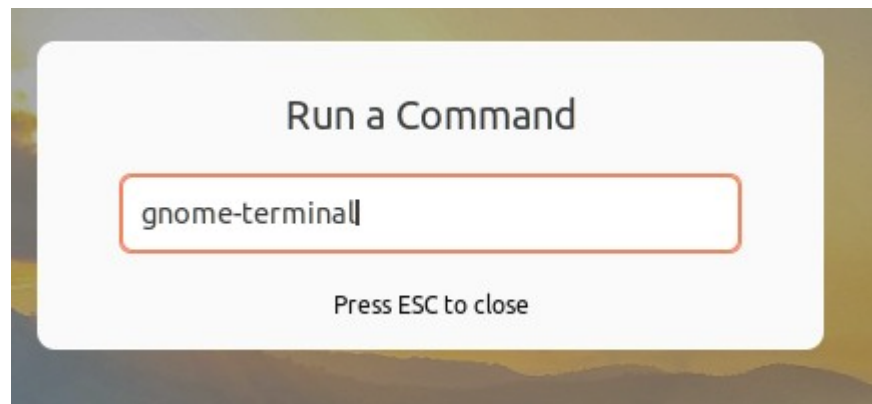
# JUL 18 2025 BDBP106: LINUX AND PYTHON PROGRAMMING

## LAB 2

Learning goals: Learning about the Linux Shell – understanding their features can enhance your command line experience

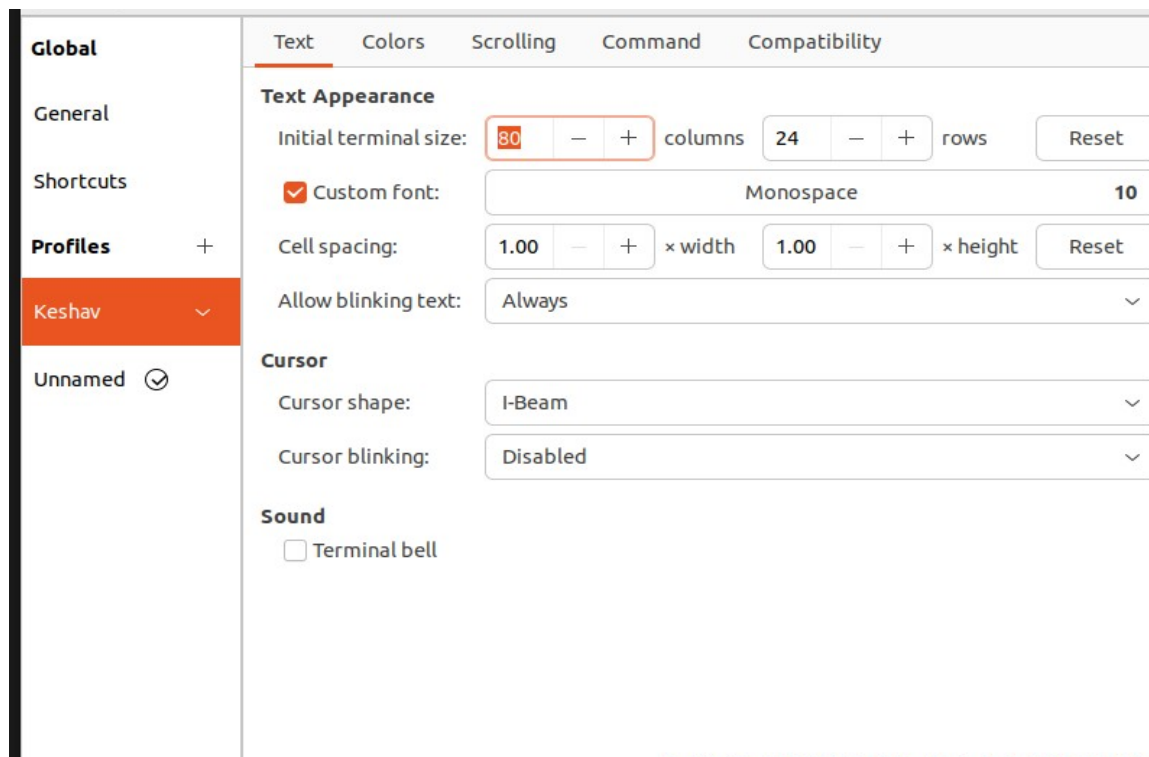
### EXERCISES

- (1) Bring up a GNOME Terminal emulator in the 'WindowsOS-style' by clicking on 'Start Menu' and locating the 'Terminal' App
- (2) Bring up a GNOME Terminal emulator by bringing up the 'Run Command' console (Alt+Fn) and then typing 'gnome-terminal'



- (3) Create a Profile that has the following features and take a snapshot of the terminal features window as well as the terminal itself. The features are Font: Ubuntu Sans Mono with font size 10, dark background, I-Bean cursor shape, Enable cursor blinking, disable cursor bell, background color palette entry 9.





- (4) Change your command prompt to "MyTestPrompt1> " and take a screenshot. Also take a screenshot after reverting back to the default prompt.

```

ibab@IBAB-MSc-BDB-Comp01:~
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ibab@IBAB-MSc-BDB-Comp01:~$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
ibab@IBAB-MSc-BDB-Comp01:~$ ls -a
. .anydesk .bash_logout .cache Desktop Downloads .lessht .mozilla Pictures .profile .python_history .ssh .thunderbird
.. .bash_history .bashrc .config Documents .gnupg .local Music .pki Public snap Templates Videos
ibab@IBAB-MSc-BDB-Comp01:~$ ls -t
Downloads Documents Pictures snap Desktop Music Public Templates Videos
ibab@IBAB-MSc-BDB-Comp01:~$ ls -at
.bash_history . .config .pki Documents snap .ssh .thunderbird Desktop Public Videos .bashrc .profile
Downloads .lessht .gnupg .cache Pictures .python_history .mozilla .anydesk Music Templates .local .bash_logout ..
ibab@IBAB-MSc-BDB-Comp01:~$ export PS1="MytestPrompt1>"
MytestPrompt1>

```

- (5) Change your command prompt to make the username, hostname and time appear in 24-hour format and time should appear in 12-hour format

```
ibab@IBAB-MSc-BDB-Comp01: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ibab@IBAB-MSc-BDB-Comp01:~$ \a  
a: command not found  
ibab@IBAB-MSc-BDB-Comp01:~$ \d  
d: command not found  
ibab@IBAB-MSc-BDB-Comp01:~$ export PS1="u\H :"  
uIBAB-MSc-BDB-Comp01 :  
uIBAB-MSc-BDB-Comp01 :export PS1="u>"  
ibab>export PS1="\u@\H:"  
ibab@4:12 PMIBAB-MSc-BDB-Comp01:export PS1="\u>\s\v :"  
ibab>bash5.1 :export PS1="\u@>\H\d"  
ibab@IBAB-MSc-BDB-Comp01Fri Jul 18export PS1="U@H\d\t"  
U@IBAB-MSc-BDB-Comp01Fri Jul 1816:17:52export PS1="\u\d\T"  
ibabFri Jul 1804:18:55export PS1="\u@H\A:"  
ibab@IBAB-MSc-BDB-Comp0116:19:export PS1="\W>"  
~>
```

- (6) Change the color of your command prompt to have Bold, underline and Blue appearance.

```
ibab@IBAB-MSc-BDB-Comp01: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ibab@IBAB-MSc-BDB-Comp01:~/Downloads$ export PS1="\e[0;32m[\u@\h\W]\$\e[0m"  
[ibab@IBAB-MSc-BDB-Comp01Downloads]$ export PS1="\e[0;35m[\u@\h\W]\$\e[0m"  
[ibab@IBAB-MSc-BDB-Comp01Downloads]$ export PS1=export PS1="\e[4;37m[\u@\h\W]\$\e[0m"  
[ibab@IBAB-MSc-BDB-Comp01Downloads]$
```