

1. The shell supports most of the features of a normal shell. While it might be slightly different from the original shell, mainly:
  - i.) There will be an output of table of jobs displayed whenever a process is completed.
  - ii.) It is only capable of handling two signals:  
CTRL + Z: stops all running processes  
CTRL + C : kills all processes
  - iii.) CTRL+C kills all processes rather than only killing the foreground process.'
2. Somehow the wc commands does not work, but other commands should be working properly.
3. Below is a list of commands that are guaranteed to work for testing out the features of my shell.
  - i.) Internal commands:  
cd  
**cd** //By default, cd without any inputs will change the current working directory to home.
  - ii.) Jobs  
**jobs** //This command will list a table of all jobs either running or stopped
  - iii.) fg  
**sleep 10 &** //Start a job that runs in the background  
**jobs** //Display the table of jobs  
**fg 1** //Bring the job with job id 1 to foreground
  - iv.) bg  
**sleep 10 &** //Start a job in the foreground  
**CTRL + Z** //Stop all running processes  
**jobs** //Display the table of jobs  
**bg 1** //Bring the job with job id 1 to background
  - v.) pipes  
**ps ax | grep bash** // List all process running on system and only show the ones that contain the word bash

List of references which I received help from (However, none of the codes from these websites are used in this assignment):

<http://stackoverflow.com/questions/8827939/handling-arguments-array-of-execvp>

<https://gist.github.com/leehambley/5589953>

<http://stackoverflow.com/questions/6574370/job-control-in-linux-with-c>

<http://simplestcodings.blogspot.ca/2010/10/story-of-zombie-process.html>