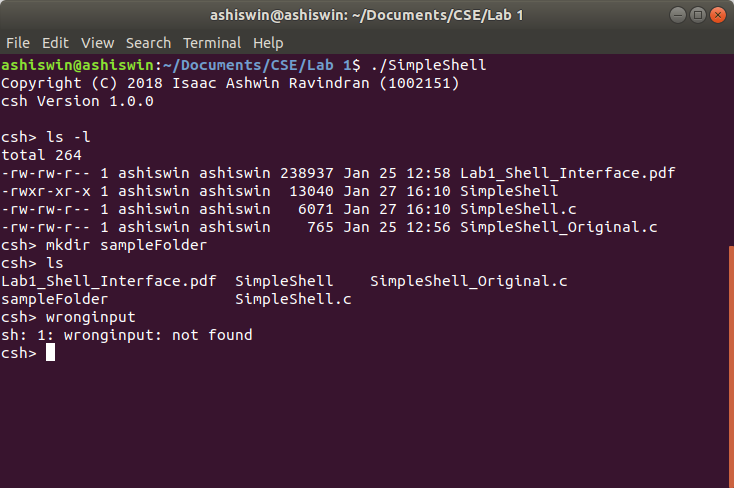
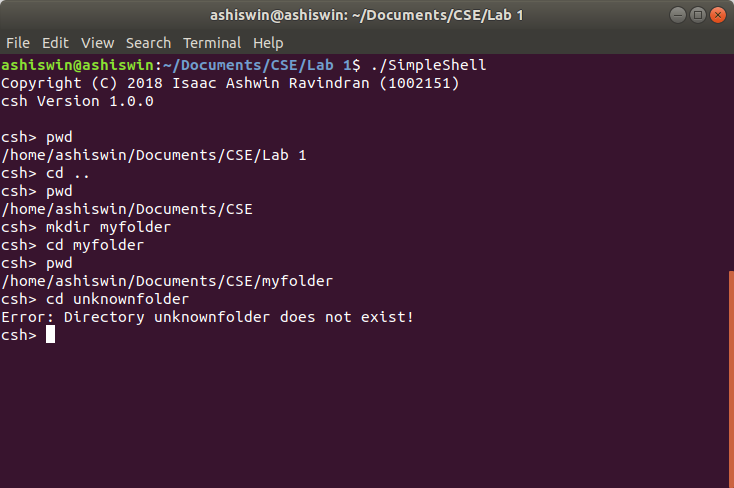
Q1



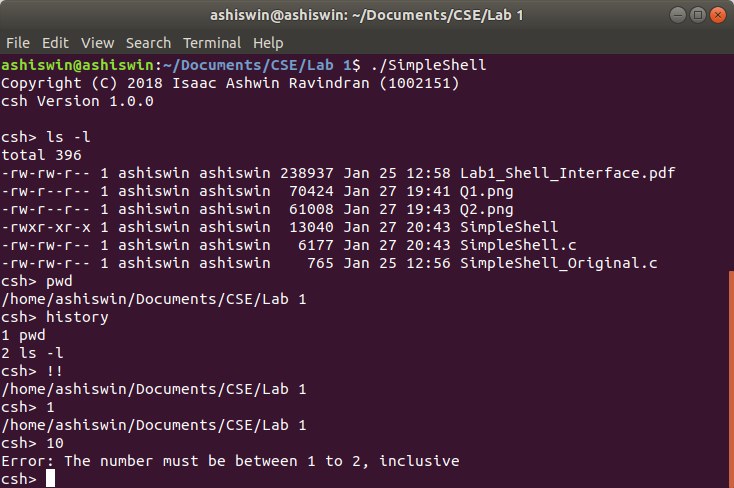
This illustrates how basic commands are supported. Commands are executed using the system() function and yield results. Any invalid commands give an error as above.

Q2



Changing directories work as requested in the assignment document. All shorthands are supported (‘..’, ‘.’, ‘~’)

Q3



Here we see the history working. It is implemented using a stack, coded using a linked list. You can refer to the code to see the exact implementation. Therefore, the length of the history stack is limited by the maximum amount of system RAM.