CTEC 222: UNIX Operating System
Homework: #1, Due Date: 15ᵗʰ March, 2016

Name:
Student ID:

Note: *Make sure your handwriting is readable to the instructor. Staple the signed honor code with the homework. It is recommended to use a computer to type. Homework is due at the starting of class. No late Homework's will be accepted.*

 Honor Code: *I have neither taken nor received any help from another person/student for this homework.*

Signature:

1. Why is the UNIX file system referred as hierarchical?
2. What is a utility program?
3. Write a command to determine whether the name "bob" is in the file "Addresses."
4. The echo command can be used with back quotes (under the ~ Character in upper left corner of keyboard). Determine and explain the result of the following commands:
    echo date
    echo `date` (notice both are ` -- back-quotes, not ' --single quotes)
    echo dats is `date`
    echo `$$$`
5. What are three types of account in UNIX system? Explain each
6. Give atleast three advantages and disadvantages of command line in UNIX?
7. What are relative path and an absolute path in UNIX? Explain with an example.
8. Write description for each of the following

Directory	Description
/	
/bin	
/dev	
/etc	
/lib	
/boot	
/home	
/mnt	

9. Draw an upside-down tree for a simplified UNIX directory/file system. Start from the root node [/]. Show your username and files/directories inside it.