

**SSN COLLEGE OF ENGINEERING, KALAVAKKAM**  
**DEPARTMENT OF CSE**  
**UCS1304 – UNIX AND SHELL PROGRAMMING**

**ASSIGNMENT - 1 Basic Commands**

**Simple commands**

1. Login to the system
2. Launch the terminal. Identify the prompt. What is it?
3. Launch a terminal maximize the window. Define a profile with the color built-in scheme “Black on light yellow”. Set your new profile as the default profile.
4. Try these commands and give your interpretation on it.
  - a. echo
    - i. echo string
    - ii. echo \*
    - iii. echo
  - b. date
    - i. Print date in dd-mm-yyyy format. Refer to the man page for date to find out the option for this format.

man date
    - iii. Print time in hh-mm-ss format, hh is 0-24 hours.
    - iv. Print the date in the following formats

Thursday, 20/08/2020
  - c. cal
    - i. Print the calendar for the current month.
    - ii. Print the calendar for year 2020.
    - iii. Print the calendar for August 2020.
  - d. who and whoami
  - e. uname with options -a, -s, -r, -sr
  - f. df -h
    - i. How many partitions does your hard disk have? What is the total size of the disk?
  - g. history
  - h. clear

**Files**

---

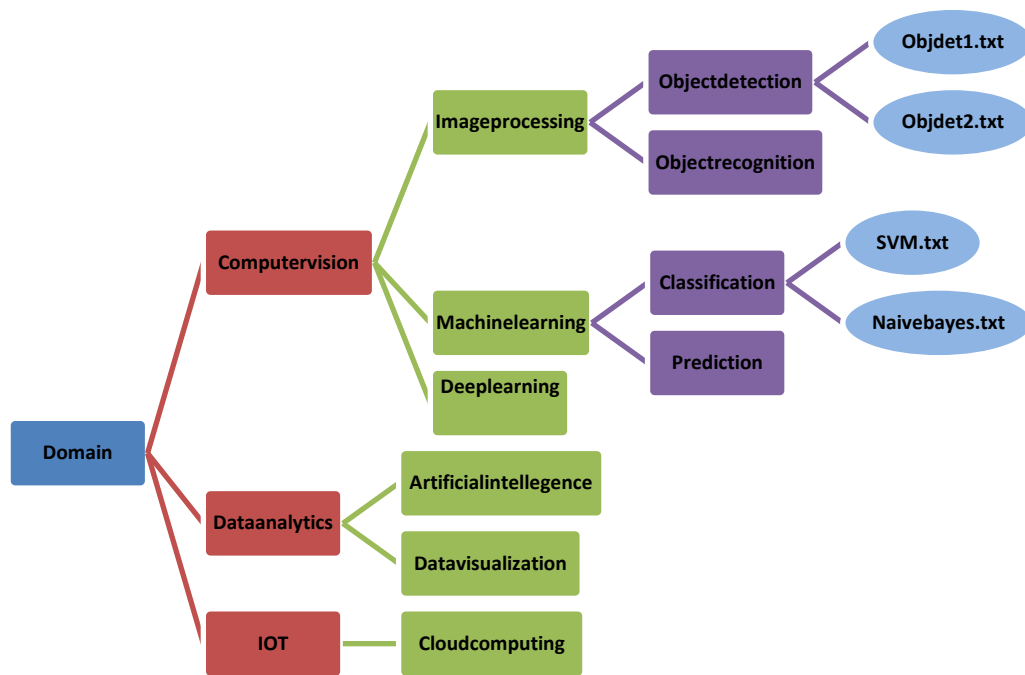
- cat
  - Create a file lockdown\_story.txt with
  - cat > lockdown\_story.txt

and typing the lines on the stdin (standard input).
  - Print (display) the contents of lockdown\_story.txt on stdout (standard output)
- ls
  - List the contents of your home directory.
  - List the contents of your home directory with :

- long format
- hidden files
- recursive list
- modified time order

## Filesystem

- Move to your Root directory.
- Check the system files present in the Root directory.
- Display your home directory?
- Move to your home directory.
- Create a directory myfolder in your home.
- Move to myfolder.
- In myfolder, create the following directory structure. Check with tree.



- Move to Classification Directory using absolute path.
- Move to Prediction Directory using relative path
- Move to myfolder
- rmdir
  - Create a file cloud1.txt in Cloudcomputing.
  - Remove directory Cloudcomputing
  - **Able to do !!! If no, Why?**
  - What should you do to Remove the Cloudcomputing

- cp
    - Copy the directory Classification along with its files in the Dataanalytics directory.
    - List the contents of Svm.txt present in the Dataanalytics directory
    - List the content of the directory Domain using Recursive list option
  - mv
    - Rename Computervision to CV, and Dataanalytics to DA.
    - Move the available two files of Objectdetection directory to Objectrecognition
  - rm
    - Remove the files from classification directory available in Dataanalytics.
  - ln
    - Create a hard link for the file Svm.txt
    - Show the inode number for both the original file and the hard link
    - Remove the file and check if the link is deleted
    - Create a hard link for the directory DA
    - **OOPS!!! Not able to create hard link!! Why?**
    - Create a soft link for the directory DA
    - Show the inode number for both the original file and the shortcut
    - Remove the directory DA
    - Check that the shortcut has become dangling link!!
-