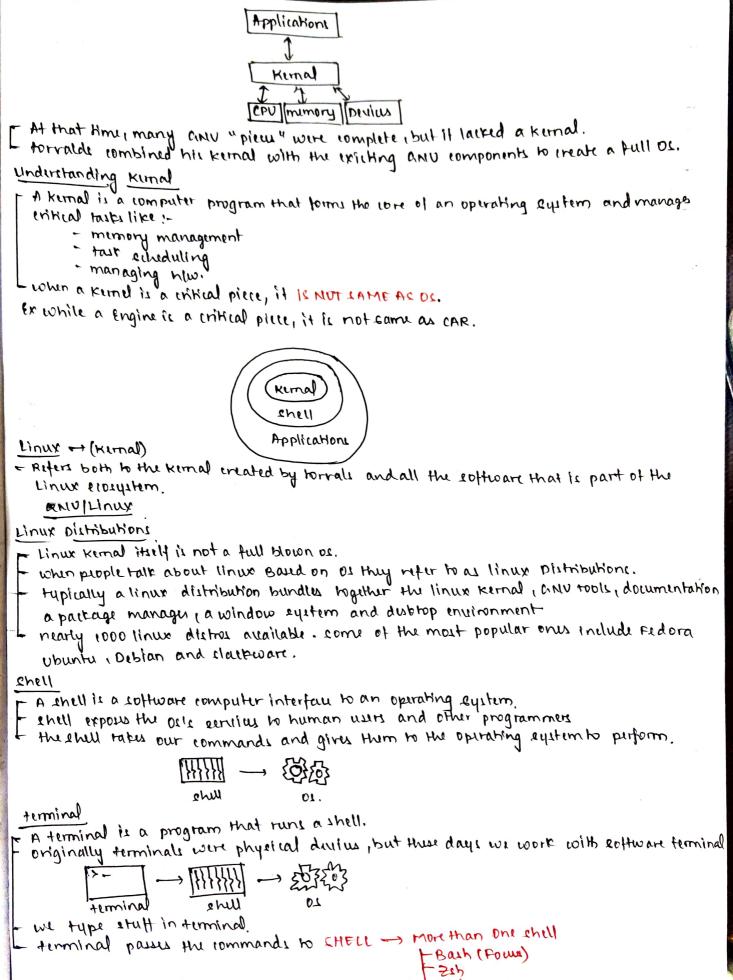
why master command line Linux I know control over your machine - run commande to change permission evices hidden tiles, interact with databable, start server Start surren emanage passwords etc - its Anster - You can Automak many tack . 94 Aunitable everywhere - 9t Basically is a regularment . Meeded for cloud computing - High paying jobe. PRACTICE INSTED. Section-2 - Introduction the world of operating eyetem. - most es can be groupted into two families. Microsoft AT decendants includes. + windows phony mobile · elu unix + Macos + Android +) chrome of en PS401. cxinu zi tadw [ or generations ) thorus of original rules live on HII today Lidea of multi wer or and heirarchial tile system. In early days of computers , or were hightly hied to specific how . Unix decoupled the two and ornix byllorobyn unix philosophy emphasizes modular slw design and the creation of small individual programs that can be combined to perform complex tasks. - write program that do one thing and do it well Le write a program to handle text etreame, because that is a universal intertace. Unix is a trademark of a global consortium called the open group, True Unix maintain a set of standards called the single unix specification which duribu. - core commands, teatures, utilities, and more that define a unix os. open aroup will certify on as fully unix compliant if it passes, confirmance tests Unix- Like - Baud on UNIX , not with Hed Pricelw - Linux. anv project Li accel - creating an or that included everything wiful that normally rome with a unix eystem so that one could get along without any slw that is not free the linux kumel Another Der - Linux borralds was working on creating his own ternal known as linux Kernel - A very important part of os. The Kernal is the part of an Os that facilitates interactions both hardware and arthware



-powershell

on most linux - Based aystems, the detault shell program is Bash Bash 'i's an Acronym for 'Bourne- Again shell" - a refrence to stephen Bourn, the creator of Bash's pirect Ansistor shell , ch Bash runs on pretty much every werston of unix and unix like existence. Command Structure Basics :step1 - open terminal (VI-tods) the prompt - when we open our terminal , we see our prompt it will likely include our usumami @ machini name. followed by an and then a dollar eign. The prompt is what we see whenever the shell is ready to accept new input " " need to close as if not done then this is not considered as a " command". # CASE SENSITIVE ( commands are case sensitive). command-1 -date -> prints out the current date and know command-2 - clear - clears all the existing commands present in the window prompt command - ? - neal (new calander) - calendar ( vertical). command-4 - horizontal calendar for current month, Amon Frit ← → o → for moving within the tuped command. or up or mostrecent previous command c down or current or next command — Command structure eyntax > command - optione arguments. most commands support multiple OPTIONS that modify their behavior we can decide which option to include it may when we execute a command, I similarly many commands allept arguments Fithings that the command acts up on or Arguments - terms "argument" and "parameter" are often used interchangebly to refer to value that we provide to commande. the echo command. command-5 - echo- it takes the argument we provide it and printit out, it echos neal - can take argumente / values to control the epicitic month and year Honeal month neal month year & Arge. order matters commandb - cort - corts the content of a file command = - rm - remoral petetu a file - Each command typically supports a host of options that we can choose to use when executing a command. Thus options modify the behavior of the command in predipined way.

- ophions by are prefixed by a dash - - h or -3

```
syntax
      > command
                    - option
                 -j (jultan days)
   ex > neal
                 -r color txt
        > 10rt
                 - h cdow not highlight the date)
       rnial
        new
                 -M (starts week with monday).
       7 neal
                 -3
                        (current, previous, next month).
I we can provide options multiple options at once.
   this ex. was the I options to display the previous content and next month AND the -h option to turn off the highlighting of current date
           ex > ncal - 1 - h
                 > neal-1-h-1
                 > neal -3-h-j-M
Another Lyntax - inorter with just on dash
                   rned - IhjM.
Long form options
FAIT thus short one - char options can get contuing the sprions also support equivalent long format options that are usually tell some options also support equivalent long format options that are usually tell some words and are prefixed with two dashes instead of just one
  ex > datu-u option is used to print the date in co-ordinated universal time (UTC)
       + date -- universal
    ex > 20rt -r color-txt
           riort -- rivine color-tat
Mulkple long form options
 to use multiple long form options in a single command, we must write them out.
  seperately with their own dashes (--)
 we cannot combine them.
              -10+-- nuise -- unique color-txt
options with parameters
 come options requires us to pass in an additional realus.
       is used to display a certain number of months AFTER a specific date, we need to
     > nead = A 1
       tell how many months to display
      rnul -BL
      7 ncal - Az - B2
      >neal -AL-BZ june 2007.
```

command disep. clears the prompt Plear + displays the current date and time date - nertical calendar neal + Horizontal calendar cal + takes Argument and prints it back echo sorts the contents of a file cort remous | deletes a file m