Assignment 1

OPERATING SYSTEM

TOPIC: BASIC UNIX COMMANDS & FILE SYSTEM COMMANDS

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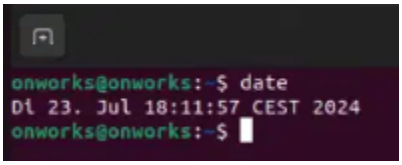
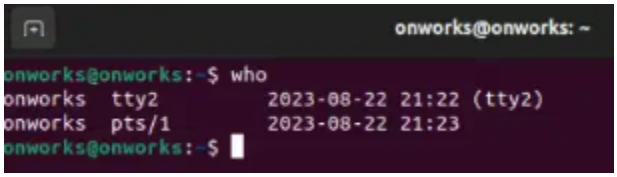
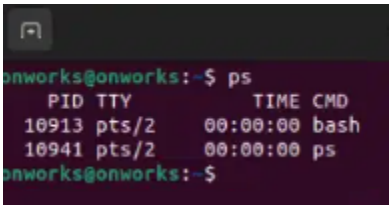
1. Display the date using the "**date**" command.



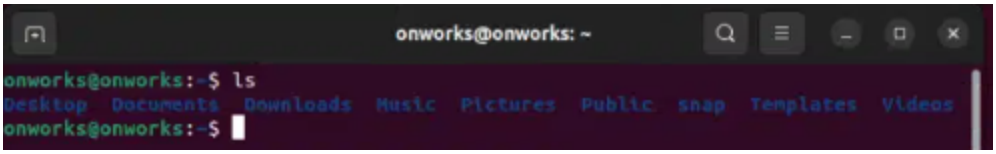
2. Check who are the users logged in using the "**who**" command.

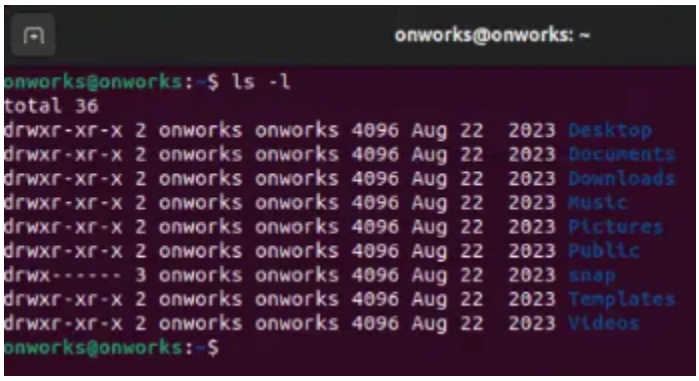


3. Check the running processes using the "**ps**" command.

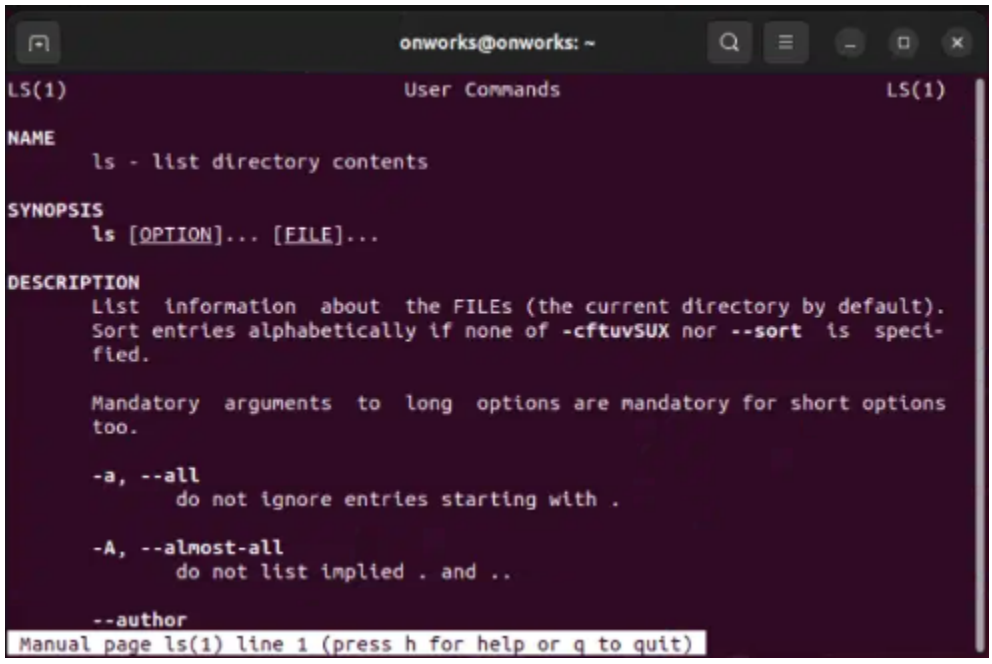


4. List the files with "**ls**" command with and without **-l** option.

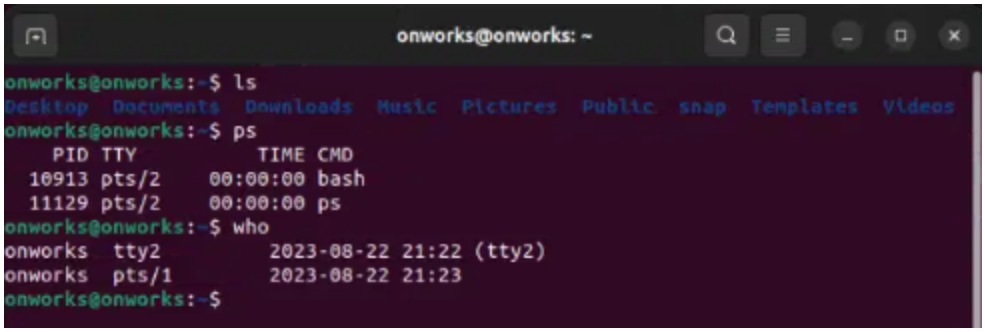




5. Check the *manual of* **ls** command.

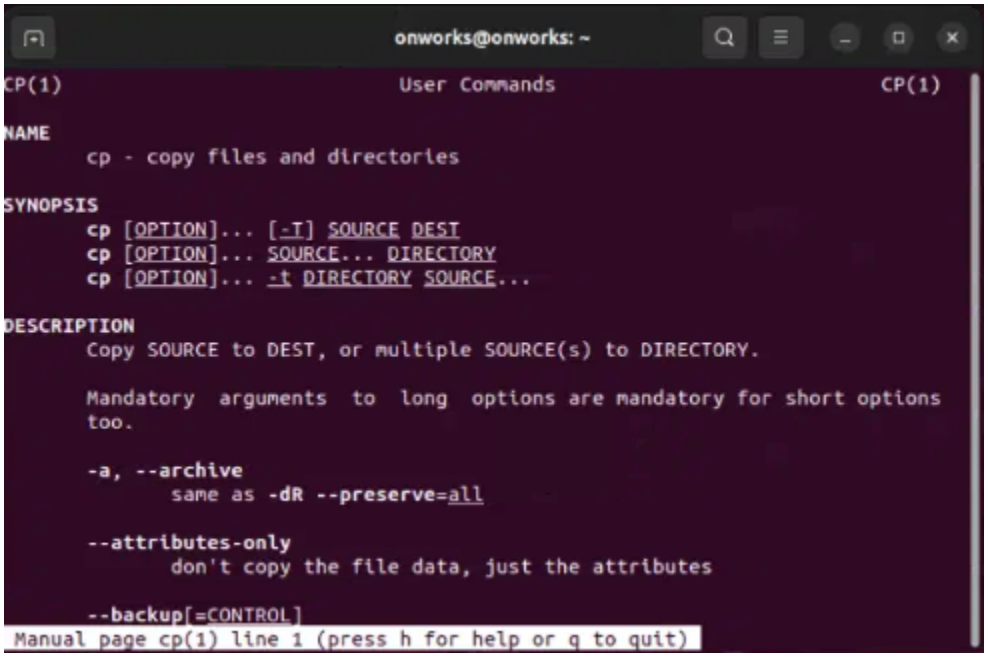


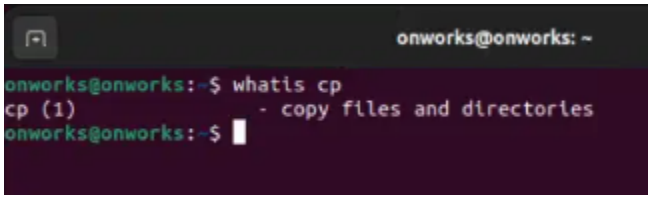
6. Show the commands used to display (i) filenames (ii) processes (iii) users.



7. Check and state the difference between man and whatis command by checking **man cp** & **whatis cp**.

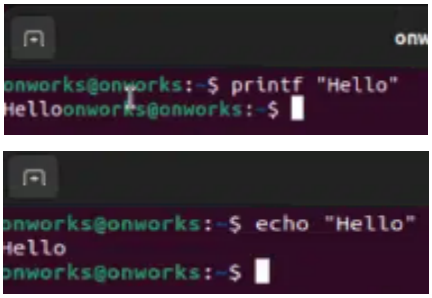
   The man command prints the manual for any command specified to it as arguments, the manual contains each and every possible way we can add flags to the command and its syntax so that we can get custom outputs for our needs. Whereas, the whatis command gives the general use description of the command specified, just for the user to understand what the command is about.



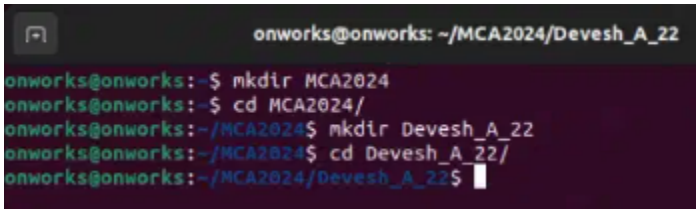


8. What is the primary difference between **printf** and **echo** command? Check and print.

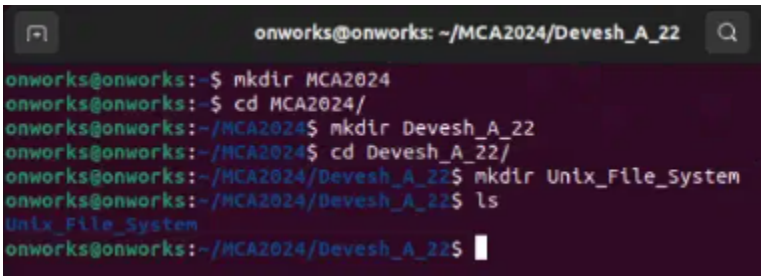
The difference between printf and echo command is that the echo command appends a newline character to anything we try to output in the console but the printf command doesn't. So, after the echo statement, we get to a new line but in case of printf command, we stay on the same line after the output.



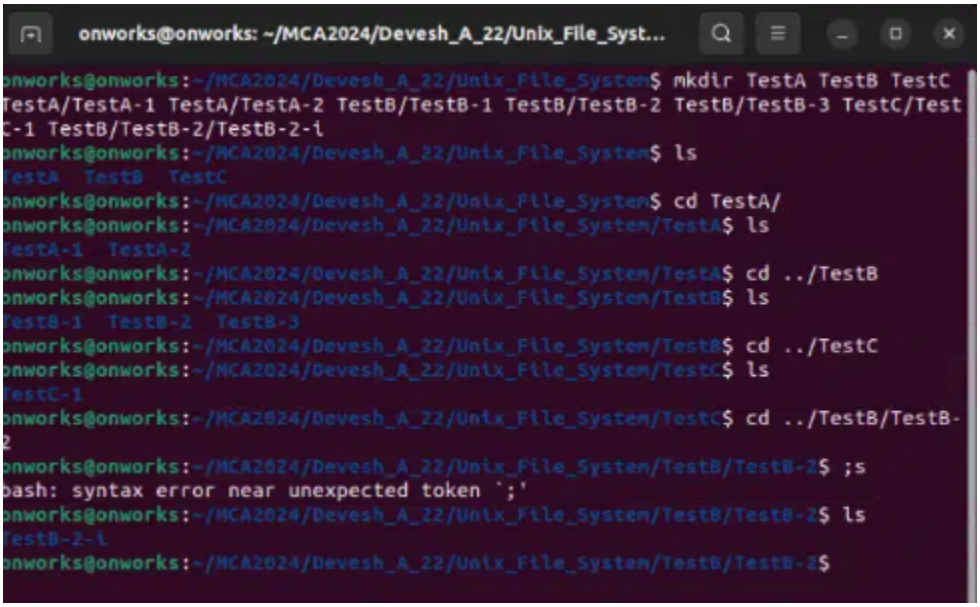
9. In the home directory, create a directory *MCA2024*. Inside the *MCA2024,* create another directory *<FistName_ Section_ ClassRoll>* and get into the directory **[~ /MCA2024/Ankur_A_00$]**.



10. Go to the subdirectory and create another subdirectory "**Unix_File_System**" within it.



11. Create the subdirectories `TestA, TestB, TestC` and corresponding sub-subdirectories `TestA-1, TestA-2, TestB-1, TestB-2, TestB-3, TestC-1, TestB-2-i` in a single command.



12. Show the absolute path of `TestB-2-i`.