

**SSN COLLEGE OF ENGINEERING, KALAVAKKAM**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**TUTORIAL – 2 Basic File system commands 3<sup>rd</sup> July 2019**

**Task1**

Create the following hierarchy for folders and files (with necessary distinct contents along with name of the files) using suitable commands

Desktop ---> Tutorial2

Tutorial2 ---> Question, Solution, Sample1, Sample2

Question ---> tut-quest.odt

Solution ---> tut-solution.odt

Sample1 ---> file1.txt, file2.txt, file3.txt, unixsample.docx, dir1, dir2

Sample2 ---> dir3, user, file4.txt, file5.txt

- Write a command to view the above-mentioned hierarchy

**Task2**

Write commands to copy the file **file2.txt** to **user** directory for the following

- current directory is Tutorial2
- current directory is dir2
- current directory is dir3
- current directory is Sample1

**Task 3**

- Write commands to create hard link and soft link for the file1.txt in **Sample1** directory and
- demonstrate the working of it.
- What about the inodes created for hard and symbolic links?
- Can we access the contents of file using the any link? How are they accessed?

**Task 4**

- Print the number files created given the date
- Print the number of files created given the type
- Print the commands used in your system given the date

**Task 5**

Write a command to copy a set of specific files (file2.txt, file3.txt) from dir1 to dir2

**Task 6**

Write necessary commands to demonstrate copying the file4.txt in Sample2 to file5.txt by preserving and not preserving the file permissions

**Task 7**

Find a file specifying a random directory

Write commands to be used

- if the directory is empty
- if the directory is not empty

Prepare a document for the above-mentioned tasks along with the command and outputs and learning experience and submit