

**Indian Institute of Technology Gandhinagar**  
**BE623 Biocomputing**  
**Sem1 2025-2026**

Lab session –1  
(Shell, Filesystem and Permissions)

- 1- Open terminal and find out the path of the folder being displayed in the terminal.  
(Hint- Use pwd command to check the current location in terminal and cd command to change the directory)
- 2- Change directory to the folder with files uploaded on classroom. Create a new folder named “BE623\_labsession\_1” (Hint- Use mkdir command)
- 3- Enter BE623\_labsession\_1 folder (Hint use cd command)
- 4- Confirm that your current folder is “BE623\_labsession\_1” (Hint use pwd command)
- 5- List all the files and folders in the directory (Hint use ls command)
- 6- Copy “sequence.fasta and protein.fasta” file to current folder (Hint cp ../sequence.fasta ./)
- 7- List all the files and folders in the directory (Hint use ls command)
- 8- Find out if there is any hidden file or folder in the directory (Hint: ls -al)
- 9- Find out permissions associated with files in the folder (Hint: ls -al)
- 10- Find out the permissions of the files and folders in /
- 11- Change the permissions of the file “protein.fasta” so that it is readable, writable and executable by everyone (Hint use chmod). Change the permissions back to what they were.