Case Study User Admin and permission

Case Study

Problem Statement
 Domain: User Administration
OS: Linux
Focus: Development

User Administration

Your name is Jane. Create a repository for your project named "Linux". The folder is created outside the home directory of Jane.
 It is a group project and your friend Tom also has to have access to this repository.

Things to be noted:
 • You create a user Tom with short description and password and a home directory.
• Let Tom modify his shell and password.
• Tom shouldn't be able to access your home folder.
• Create another folder named 'notes' where you keep your study notes and Tom and may be other friends can also have same access to it. Guest shouldn't be able to modify anything.
• Create another folder named 'research' where you keep the list of your researches. Others can have a look at list of researches in it but no one should be able to read, write it.

 Approach to solve:
 • Start with creating a new user Tom
• Create two groups.
• Add yourself and tom in one group. The other group can be for your set of friends.
• Put proper permissions for the groups and folders