

File/Folder Permission Management

- **chmod**- It is used to set the permissions (read ,write ,execute) on a file/directory for owner, group and others.
 - Syntax: **chmod u+r** <filename>
 - **chmod 400** <filename>
- Cases:
 - **chmod u-x,g-x,o-w** <filename>
 - **chmod o=rwx** <filename>
 - **chmod ugo+rwx** <filename>
 - **chmod a-rwx** <filename>
 - **chmod 744** <filename>
- **chown**- This command is used for changing the owner/user of the file/directory.
 - Syntax- **chown username** <filename>
- **chgrp**- This command is used for changing the group of file/directory.
 - Syntax- **chgrp groupname** <filename>
- We can change owner and group of file/directory by single command.
 - Syntax- **chown username:groupname** <filename>
- For adding an user:
 - Command- **useradd** <username>
- For adding a group:
 - Command- **groupadd** <groupname>
- For adding users in a group:
 - Example: **groupadd manager**
 - **useradd -G manager user1**
 - **useradd -G manager user2**