1.Navigate to the directory where the "secret" file is located using the terminal.

2. Execute the following command to change the ownership of the file to the root user and the group associated with "deepak":

sudo chown root:deepak secret

3. Set the permissions on the file to allow read access only for the owner (root) and the user "deepak":

sudo chmod 640 secret

- 6 - corresponds to read and write permissions for the owner (root).
- 4 - corresponds to read-only permissions for the group (deepak).
- 0 - Other users will have no access to the file

Now, only the root user and "deepak" can open and read the "secret" file.