Discretionary Access Control

Unix protection on files

Each process has a User ID & one or more group IDs

System stores with each file

- User who owns the file and group file is in
- Permissions for user, any one in file group, and other

Shown by output of `"ls -l"` command

- Each group of three letters specifies a subset of **r**ead, **w**rite, and **e**xecute permissions
- User permissions apply to processes with same user ID
- Else, group permissions apply to processes in same group
- Else, other permissions apply

```
     user group other owner  group
      ⌢     ⌢    ⌢     ⌢      ⌢
   - rw- rw- r--   dm  cs140  ...   index.html
```