

# E-R Diagram of Un\*x File System

Unix directory
<u>prefix</u>
<u>name</u>
permissions
<u>type</u>
size
owner
group
last access date and time
link

Unix file
<u>prefix</u>
<u>name</u>
permissions
<u>type</u>
size
owner
group
last access date and time
link
content

## Terminologies and Definitions:

1. permissions: 10 bits: drwxrwxrwx. 1st bit on the left indicates directory or file. Directory: d, File: -.
2. link : soft link count
3. content: content is available only if 1st bit of "permissions" is "-"