



# File Permissions-1

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- r-read, w-write, x-execute
- Three bits can be used to define the permission for one kind of user.
- For example: binary number **111** means the user has permission to read, write and execute the file, and **100** means the user only can read the file.
- Binary number 111 can be transferred to octal number 7



# File Permissions-2

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- Three kinds of users:
  - u-user, g-group, O-other
- Three octal numbers are used to describe the access mode
- Three numbers for user, group, other
- For example, 644 (octal) means
  - user: 110 (binary), read&write
  - group: 100 (binary), read
  - other: 100 (binary), read