

# Special Permissions - SGID (Set Group ID)

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- **SGID** is set mainly to directories.
- If you set SGID on directories, all files or directories created inside that directory will be owned by the same group owner of the directory where SGID was configured.
- This is useful in creating shared directories, which are directories that are writable at the group level.

## Setting SGID:

- Absolute Mode: `chmod 2XXX directory`
- Relative Mode: `chmod g+s directory`

## ls -ld /programming/

```
drwxrws--- 2 pr1 programmers 4096 iul 14 13:15 /programming/
```