```
[dw@moe:~$ ls -l
total 196
drwx------ 3 dw dw   4096 May 10 13:46 account_setup
-rw-r--r-- 1 dw dw 186237 May  9 14:09 account_setup.tar.gz
-rwx--x--x 1 dw dw     48 May 14 13:04 hello.py
drwxr-xr-x 2 dw dw   4096 May 11 13:39 public_html
```

Aim: How can we run python programs directly from the shell?

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```

1. Make sure the file is **executable** (set correct file permissions).

    1. File Permission *Areas*
        1. There are three different permission areas: **user, group** and **other**. Each with their own rwx values.

    2. user
        1. The user that owns the file, usually the creator of the file.

    3. group
        1. The group associated with the file, this is usually the main group of the user (on moe, your main group is student)

    4. other
        1. Everyone else that isn't the owner or in the group.

    5. These permissions areas are **mutually exclusive**, for example, even if the owner is part of the group (and usually is), the group permissions do not include the owner.

2. File permissions are listed as three sets of rwx values, one for user, then group, then other.

Aim: How can we run python programs directly from the shell?