

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

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

In linux and linux-like systems, file permissions are used to determine what kinds of actions you can perform on a file.

There are 3 types of permissions:

read, write and execute

read (r)

The contents of the file can be viewed.

write (w)

The contents of the file can be modified.

execute (x)

The file can be run on it's own as a program

Each permission is independent of the others, so a file could have read permissions but not write, or could have execute permissions but not read...

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```
[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
```