FTP (Storage) Covert Channel

Write a Python program that can extract a covert message from the file permissions of an FTP server. This is a group programming assignment (i.e., **each group will submit one program**). Please make sure that only one member of your group submits the program!

Notes and Requirements:

- Submit your source code only;

- Your program should fetch the file listing (including permissions) from the FTP server;

- Your program should isolate and decode the file permissions;

- Your program should support both (1) using only the 7 right-most "bits" of the file permissions, filtering out any file with any of the first three "bits" set; and (2) utilizing all ten "bits" (select between the two options through a variable called `METHOD` that is declared at the top of your program); and

- Your program should generate and output the covert message (and nothing else).

Please, no GUIs. Make this a command line application without frills that I can execute at the command line as illustrated below:

```
jgourd@jgourd-latech:~/covert$ python fetch.py
This is my C0V3rt message!  Bwahahahahaha!
```