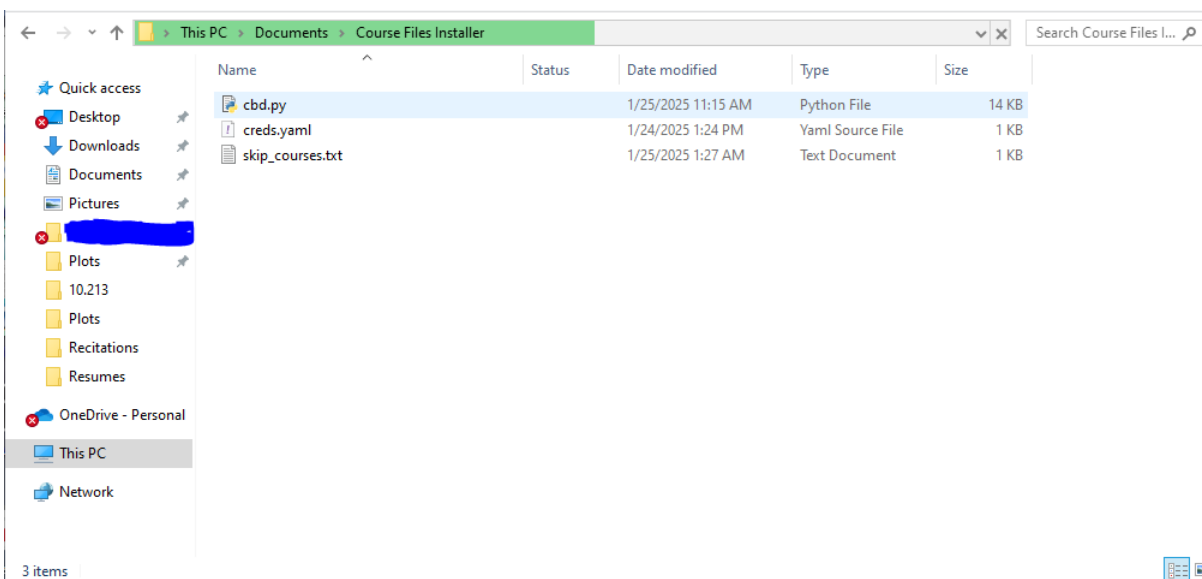


## Using Canvas Bulk Downloader

**Note:** Make sure you have an IDE that can run Python code! This will be required to run the files below (I recommend VSCode if you don't have one already!)

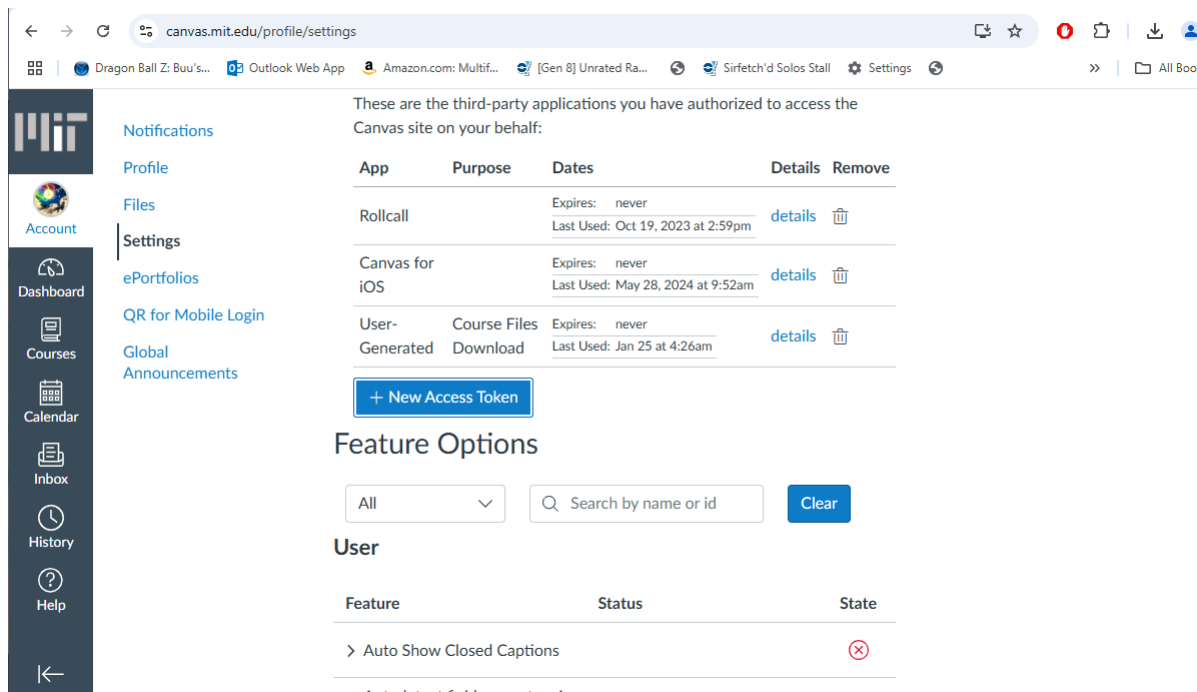
Also note that this will only download files under "Modules", "Assignments", and "Files" (for the classes that have this); it will not download any of your submissions, nor will it download grades or announcements.



Once you have downloaded and placed all three files in a directory of your choosing (does not have to be the same location you want your course files to be downloaded, but the three files must be in the same place), do the following before you run your python file:

**# 1** *(Generate a new Canvas access token)*

Go to your Canvas homepage. From there, go to Account -> Settings, scroll down to Approved Integrations, and hit "+ New Access Token" (pictured below).



You will get a very long string of characters, which you should copy for the next step.

## # 2 *(Fill in the relevant fields in creds.yaml)*

Open `creds.yaml` and paste the access token into the 'KEY' field. Make sure that the token is enclosed in quotations! (single vs double quotes don't matter)

Additionally, fill in the 'SAVE\_PATH' field with the location you want to save your course materials in.

## # 3 *(Select courses you would like to skip downloading)*

Open the `skip_courses` text file. If there are any courses you want to skip in the downloading process, put the course's id on a new line in this text file. The course id can be found at the end of the url when you are at the home page for the class.

The screenshot shows the Canvas LMS interface for the Class of 2024 Syllabus page. The browser address bar shows the URL <https://canvas.mit.edu/courses/20443>. The left sidebar contains navigation links: Account, Dashboard, Courses, Calendar, Inbox, History, Help, and Syllabus. The main content area is titled "Recent Announcements" and lists four announcements:

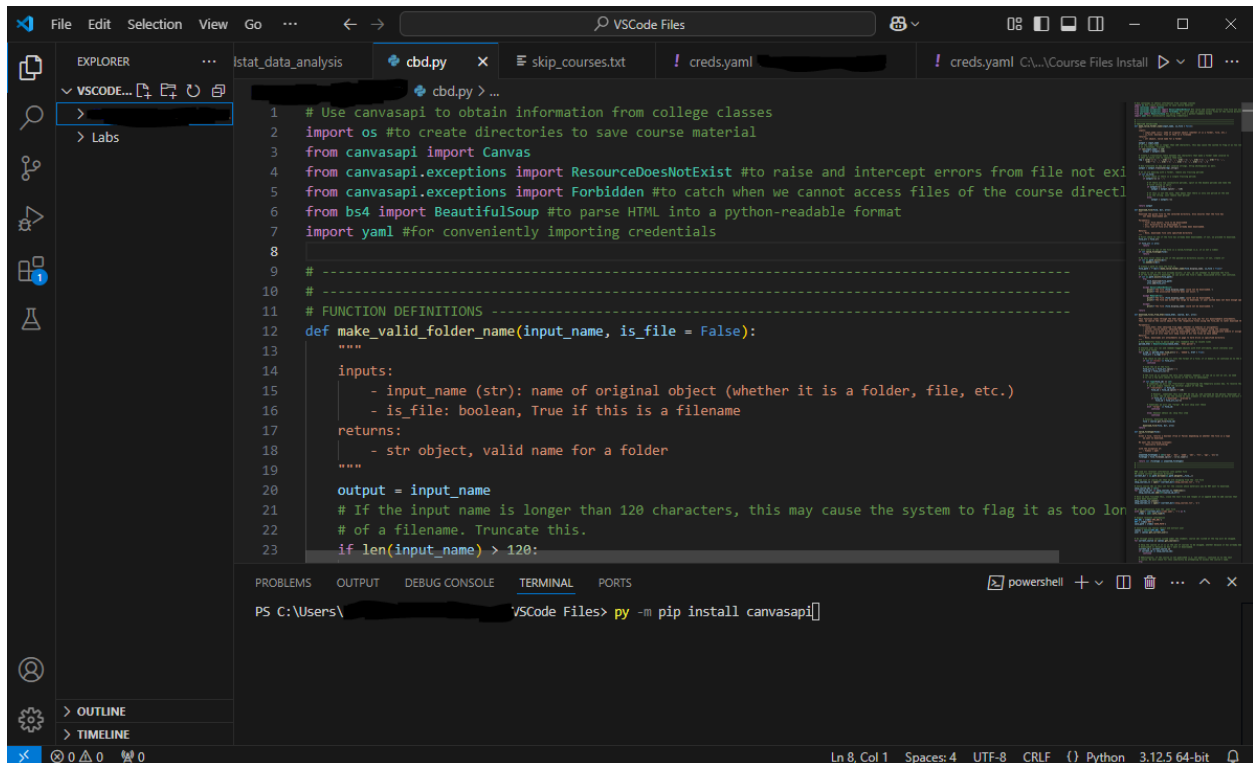
- Final (!!) mid-semester advisor meeting**: Dear Class of 2024 and its a... Posted on: Apr 1, 2024, 4:13 PM
- Mohr scholarship spring 2024 info is on the piazza site**: Hi seniors. Information on t... Posted on: Mar 11, 2024, 3:52 PM
- friendly add date reminder**: Hi class of 2024 (!!)Hope all ... Posted on: Mar 8, 2024, 8:42 AM
- Degree requirements checklist - please complete**: Dear Seniors in 10B,I've put ... Posted on: Feb 20, 2024, 12:04 PM

On the right side, there are buttons for "View Course Stream", "View Course Calendar", and "View Course Notifications". Below these is a "To Do" section with the text "Nothing for now". A calendar for January 2025 is displayed, with the 25th highlighted. At the bottom right, a message states "Course assignments are not weighted."

The screenshot shows a Notepad window titled "skip\_courses.txt - Notepad". The menu bar includes File, Edit, Format, View, and Help. The text content of the file is:

```
00000
20443|
```

The status bar at the bottom indicates the cursor is at "Ln 2, Col 6", the zoom is "100%", the encoding is "Windows (CRLF)", and the character set is "UTF-8".



## # 4 (Install the necessary packages to run the file)

Open the Python file in your IDE, and install the following packages:

- canvasapi
- bs4 (this is to help parse html into a format readable by Python)
- pyyaml (this is to help read information from the file where you input your Canvas token and destination directory)

Use pip install in your terminal to do this! Pictured above is what it looks like on my end (note that the terminal is just the bottle third of the picture, and the command I am using is 'py -m pip install (insert package you want to install)')

And that's it! You can now run the file and wait for everything to be downloaded! Note that the python file will print into the terminal the name of the files it could not download, so you can later go into canvas to manually attempt to download these files. Furthermore, if the code stops, running it again will resume with the course it was downloading last!