INSTRUCTIONS:

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What was done in the class?
In Class 101 we learnt about the cloud storages .

The goal of the Project:
*I*n this project we will,
  ● Write program to upload folders to dropbox

*This is just for your reference. We expect you to apply your own creativity in the project.

Start of the Project:

1. Open the link for os.walk and go through it's usage
   https://www.tutorialspoint.com/python/os_walk.htm
2. Open te link for os.path and go through it's usage
   https://www.geeksforgeeks.org/python-os-path-join-method/
3. Open your editor.

Specific Tasks to complete the Project:
1. Create a uploadFiles.py file.
2. Create a class called TransferData.
3. Write a upload_file function which will:
   - Initialize the dropbox.
   - Using os.walk() get the file name and path from the given path.
   - Using os.path.relpath() and os.path.join() create a path to dropbox
   - Read all files as binary
   - And upload the files to dropbox. Set the mode to WriteMode('overwrite')
4. Define main function.
5. Set the access token to the access_token variable.
6. Get the input for the file to be uploaded fom the user as input and store it in **file_from** variable.
7. Get the full path to upload the file to, including name that you wish the file to be called once uploaded and store it in **file_to** variable.

8. Call the upload_file method of transferData class and pass file_from and file_to as arguments to it.

9. Save the code.

Tips:

Take care of the indentation while writing the code.

1. Usage of os.walk

```
    # enumerate local files recursively
for root, dirs, files in os.walk(file_from):
```

2.usage of os.path

```
    # construct the full Dropbox path
relative_path = os.path.relpath(local_path, file_from)
dropbox_path = os.path.join(file_to, relative_path)
```

3.uploading the files from the folder

```
    # upload the file
with open(local_path, 'rb') as f:
    dbx.files_upload(f.read(), dropbox_path, mode=WriteMode('overwrite'))
```

Submitting the Project:
1. Run and test your code
2. Create an empty repository with the project name.
3. Use git commands to push your project repository to this github repo.
4. Submit the link to your github repo for the project to us.

REMEMBER... Try your best, that's more important than being correct.

After submitting your project your teacher will send you feedback on your work.

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