



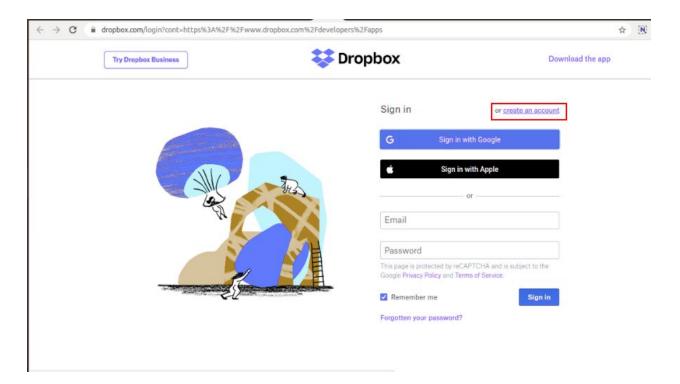
What we did:

In last class we learned about python package manager and howdoi python package

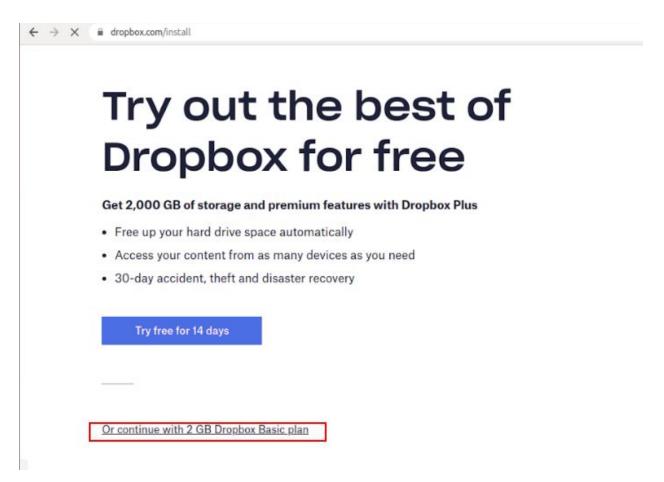
In this class we learned about dropbox cloud storage.

How we did it:

We installed dropbox on our system and created an account on it.

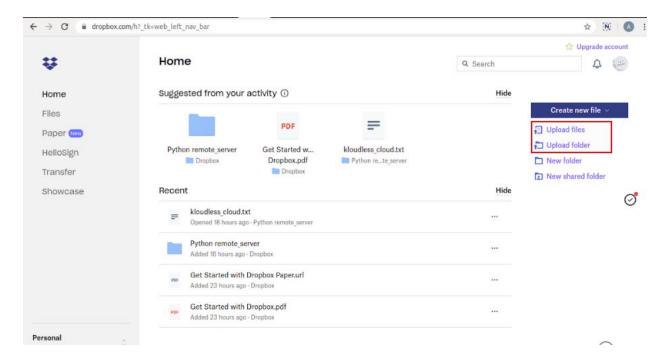






We checked if pip is installed on our system correctly by running command pip3 --version





Using the pip3 package manager we installed dropbox to our system

```
Welcome to fish, the friendly interactive shell

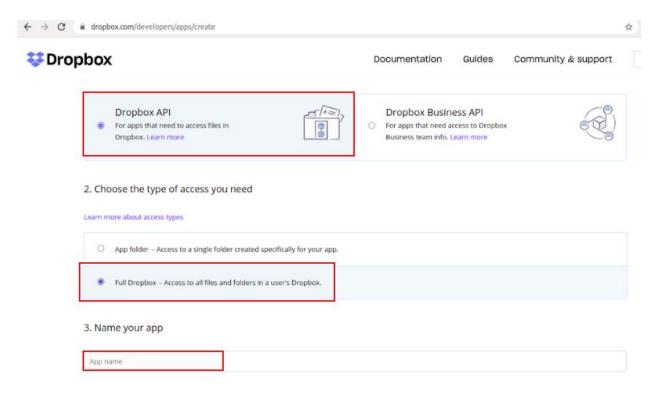
-> pip3 install dropbox
```

Using howdoi we saw python code to upload the file on th dropbox

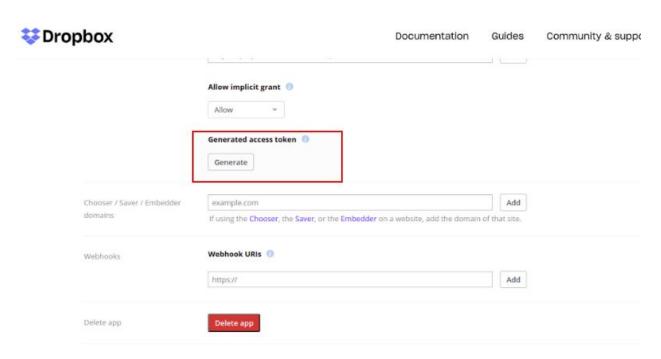


```
-> howdoi upload files to dropbox using python
#!/usr/bin/env python
# -*- coding: utf-8 -*-
import dropbox
class TransferData:
          _init__(self, access_token):
    def _
        self.access_token = access_token
    def upload_file(self, file_from, file_to):
    """upload a file to Dropbox using API v2
    """
        dbx = dropbox.Dropbox(self.access_token)
        with open(file_from, 'rb') as f:
            dbx.files_upload(f.read(), file_to)
def main():
    access_token = '*****
    transferData = TransferData(access_token)
    file from = 'test.txt'
    file_to = '/test_dropbox/test.txt' # The full path to upload the file to, including the file name
    transferData.upload_file(file_from, file_to)
if
    name
           _ == '__main__':
    main()
             -> [
```

We went through the code and understood how it is working Then we created a app on dropbox and got access_token.







Then we modified the code to take file path and dropbox path as input from the user.

```
cloudStorage.py
import dropbox

class TransferData:
    def __init__(self, access_token):
        self.access_token = access_token

def upload_file(self, file_from, file_to):
    dbx = dropbox.Dropbox(self.access_token)

f = open(file_from, 'rb')
    dbx.files_upload(f.read(), file_to)

dbx.files_upload(f.read(), file_to)
```

Defined the main function which has the access token and also takes path inputs.



```
import dropbox

class TransferData:
    def __init__(self, access_token):
        self.access_token = access_token

def upload_file(self, file_from, file_to):
        dbx = dropbox.Dropbox(self.access_token)

f = open(file_from, 'rb')
        dbx.files_upload(f.read(), file_to)

def main():
    access_token = 'sl.AbK0Y7cwlr949HZB7JxLOMrnYKuY39PSkiEnMjmzkLJ8mukldzS0jT8oLVfn_A-kB4yn600erRI
    transferData = TransferData(access_token)

file_from = input("Enter the file path to transfer : -")
    file_to = input("enter the full path to upload to dropbox:- ") # This is the full path to up

# API v2
    transferData.upload_file(file_from, file_to)
    print("file has been moved !!!")
```

What's next?

In the next class, we will learn to take images from webcam and upload it to dropbox