**Ex No : 8 Storage as a Service**

**Date :**

**Aim:**

To implement Storage as a service using Dropbox.

**Procedure:**

1. Create an account and Create new application in your account
2. Specify the type of access in the next window and Generate the ACCESS TOKEN for that particular application it will use for future programming phase:
3. Change the permission settings
4. Also note down the Application key and Application Secret Key as well:
5. Give “No Expiration” in Access token expiration and Generate a token access

6) Uploading the files in dropbox using python

**Code:**

import dropbox

dropbox\_access\_token= "sl.BISAdZEIh2ubn53ei4ur8YYffF7KZpz83oQ1k49SNtnDtrh14kl1y0-dRZNS6ZtBQJc2Sk4Y\_6QY08kTR13aECAaZqPjFkoI1xcoQ-i9jy8uBGIcACFgxlc9GW3oIGsdy2ZHO9nyI\_c"

dropbox\_path= "/msd.txt"

computer\_path=r"D:\Saas\msd.txt"

client = dropbox.Dropbox(dropbox\_access\_token)

print("[SUCCESS] dropbox account linked")

client.files\_upload(open(computer\_path, "rb").read(), dropbox\_path)

print("[UPLOADED] {}".format(computer\_path))

metadata, f = client.files\_download('/msd.txt')

out = open("msd\_download.txt", 'wb')

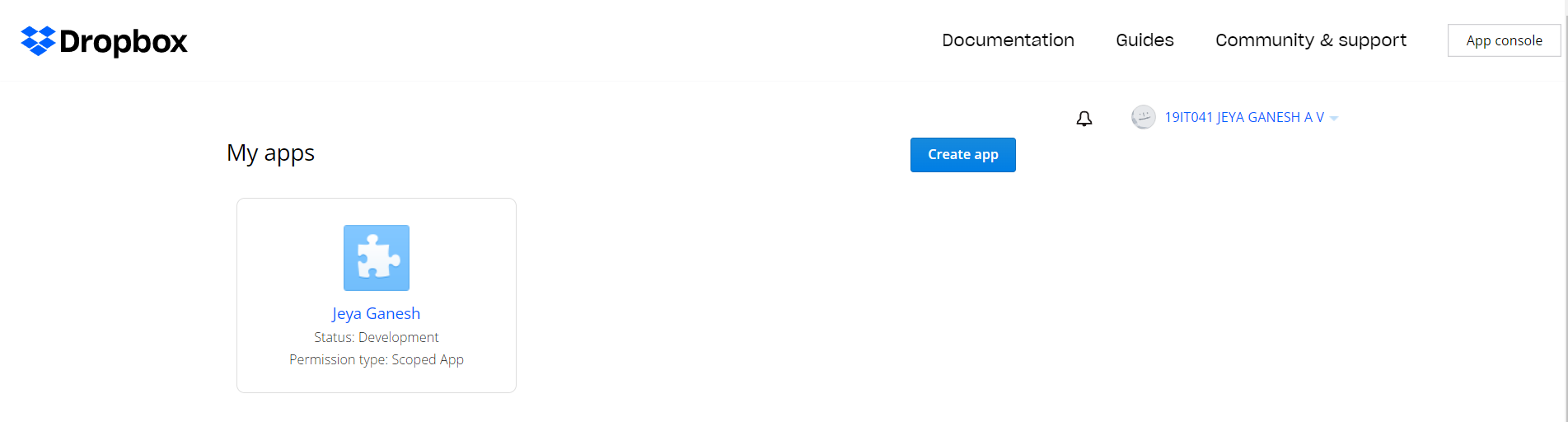
out.write(f.content)

out.close()

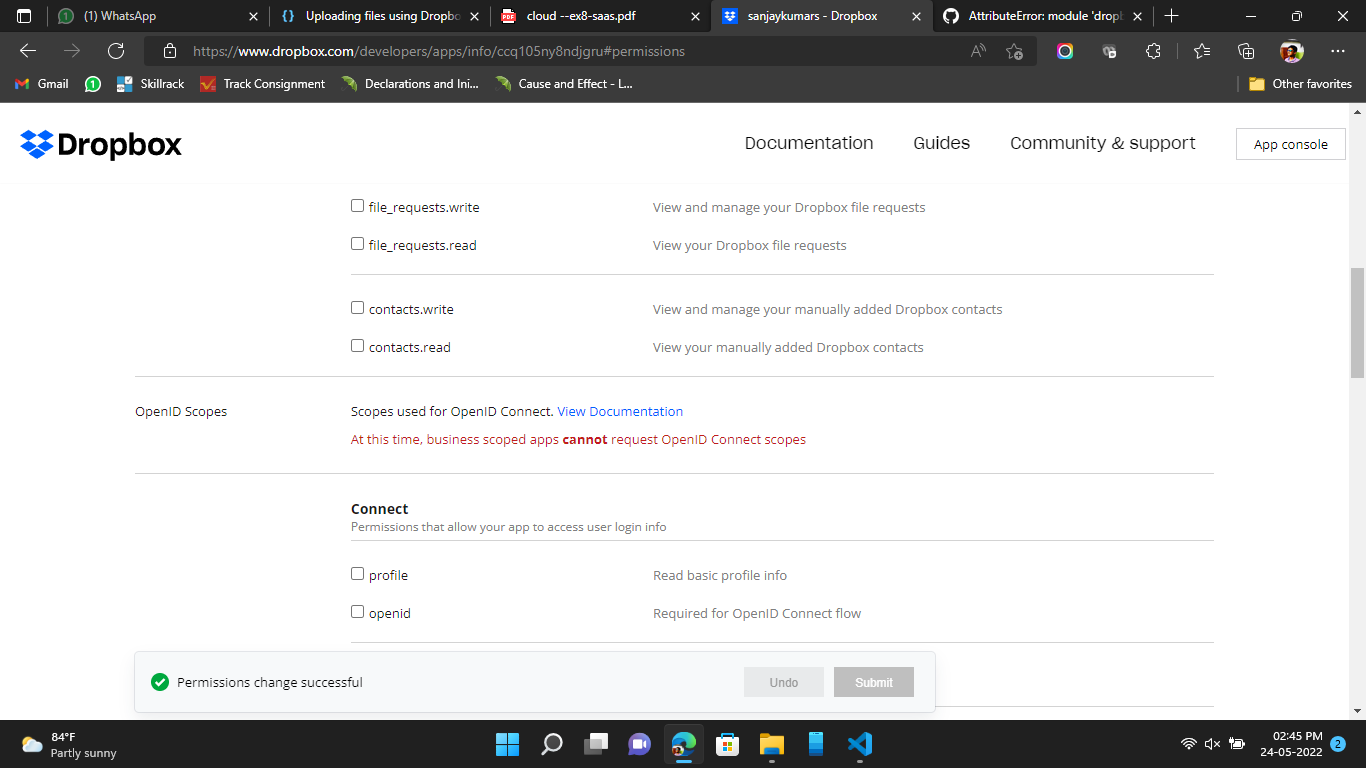
print("[SUCCESS] downloaded")

**Screenshots:**

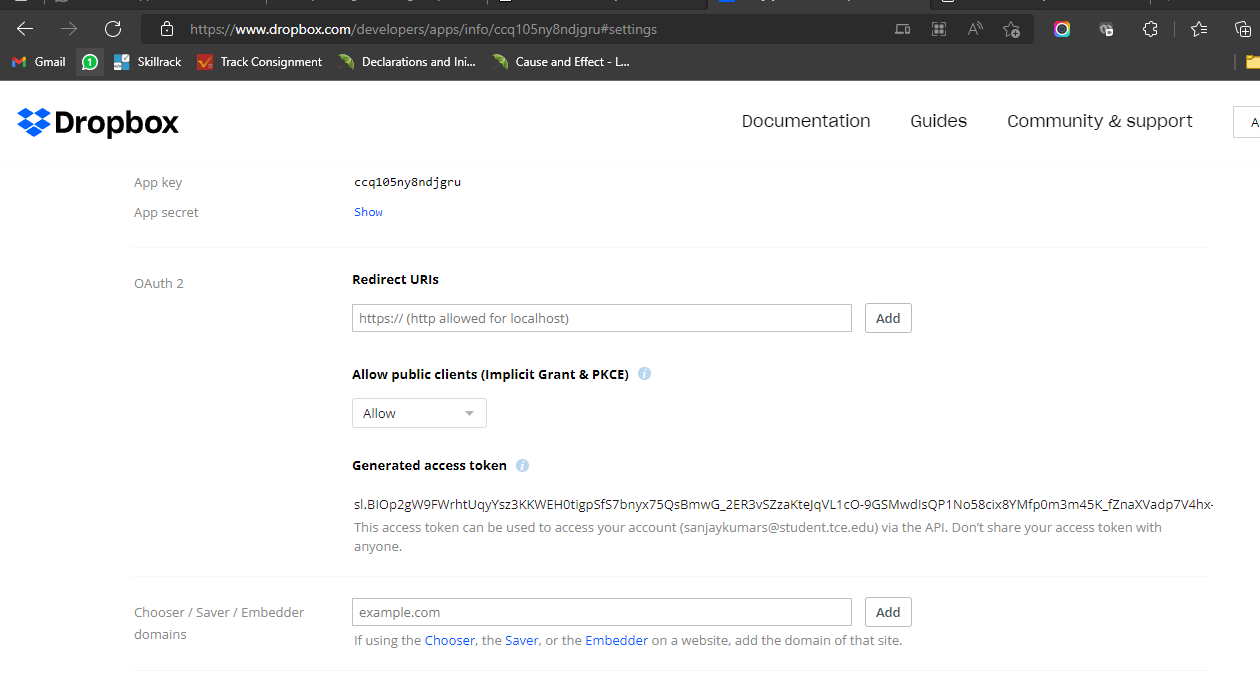
**Creating an application**

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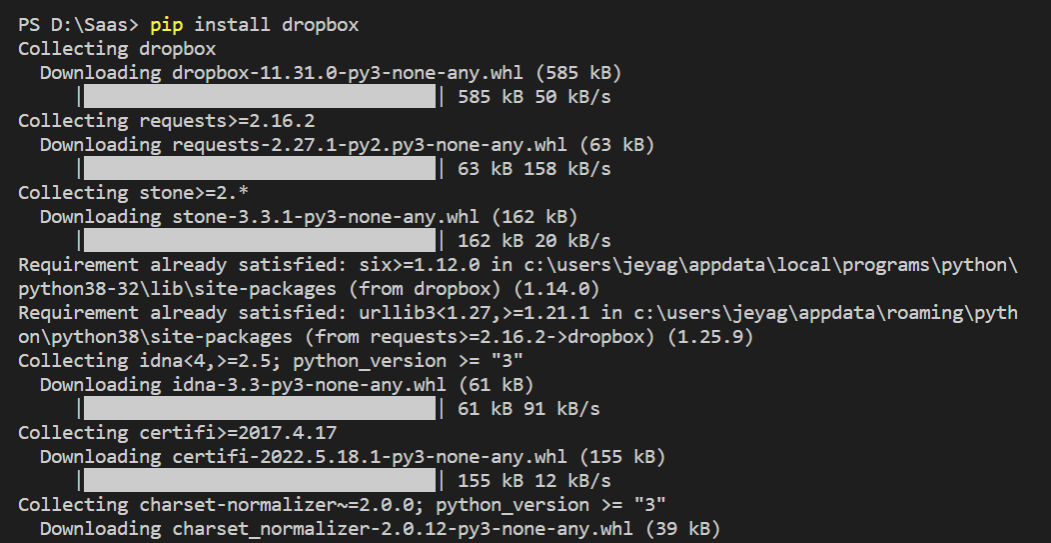
**Setting permission**



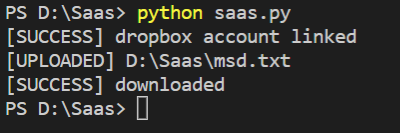
**Generating access token**



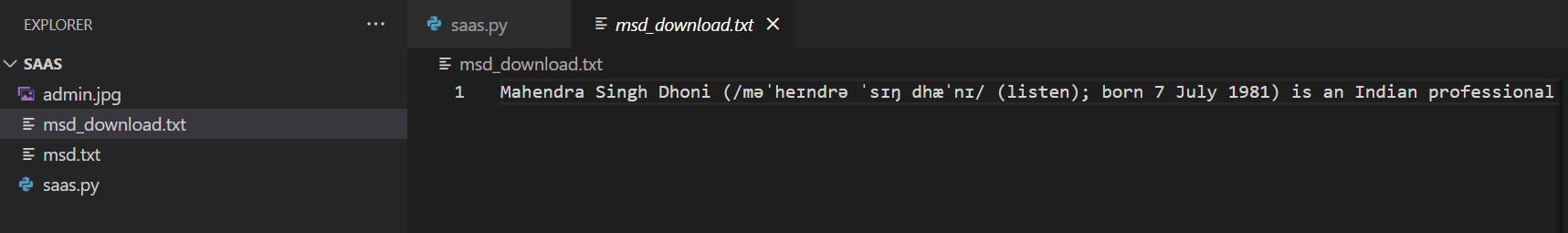
**Installing dropbox package**



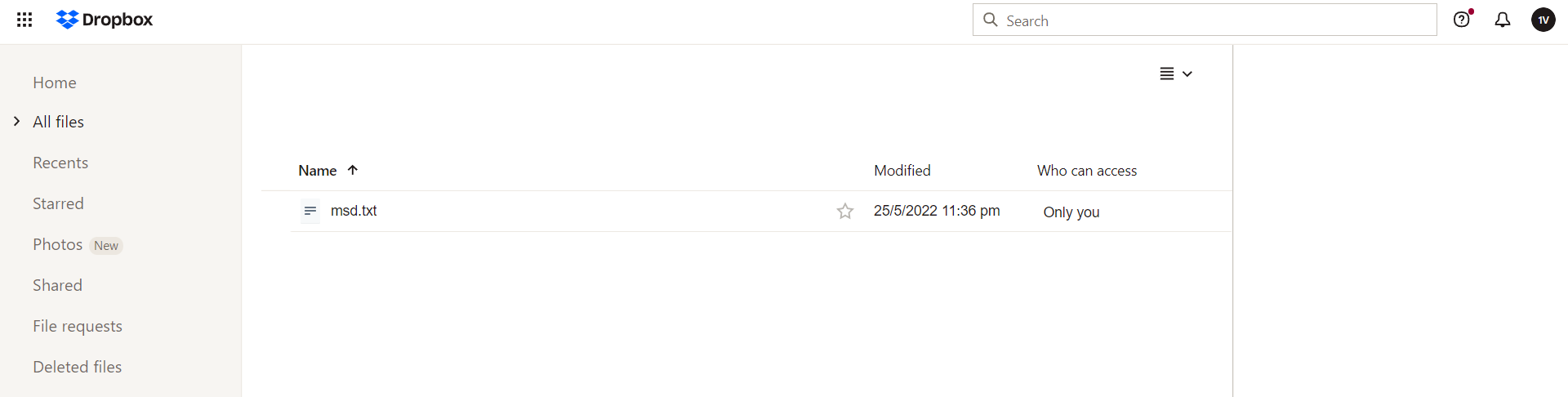
**Running an application**



**Downloaded txt file**



**File successfully uploaded**



**Result:**

Hence the experiment was completed and the result is verified.