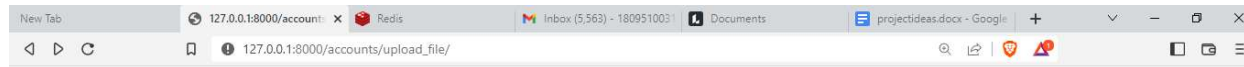


Summary of the Assessment 1st First Task

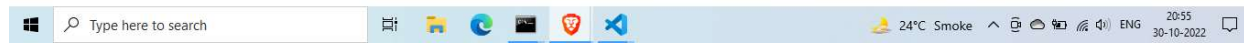
- **First Create a Frontend for the user to Enter the Json File.**
- **Go to the link http://127.0.0.1:8000/accounts/upload_file/**



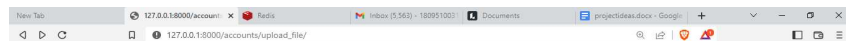
Please Upload a File.

Upload-File

Activate Windows
Go to Settings to activate Windows.



- **Click on the Upload-File so I can upload a file. And if the File is json then it is processed and otherwise raises an Error. When File is selected.**



File has been Selected Please Submit It.

Upload-File

Activate Windows
Go to Settings to activate Windows.

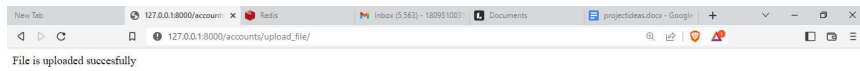


- **If File raises an error in its type then it will show .**



○

- **If File is uploaded is json type and uploaded successfully then will show return HttpResponse on the browser.and tabular Data With keys and Values is Generated in the Console.**



○

- Then the Tabular Data List with level 1st Json Data.tabular Data With keys and Values is Generated in the Console.

```

C:\WINDOWS\system32\cmd.exe - python manage.py runserver
13 arrayOfNumbers [1, 2, 3, 4, 5]
14 arrayOfBooleans [True, False, True, False]
15 arrayOfObjects [{ 'a': 1 }, { 'a': 2 }]
16 object { 'anyKey': 'anyValue' }
[16] showing all Locations of dict Data
16
[30/Oct/2022 20:41:58] "POST /accounts/upload_file/ HTTP/1.1" 200 28
C:\Users\hemant\Documents\Oauth\App_auth\views.py changed, reloading.
Watching for file changes with StatReloader
Performing system checks...

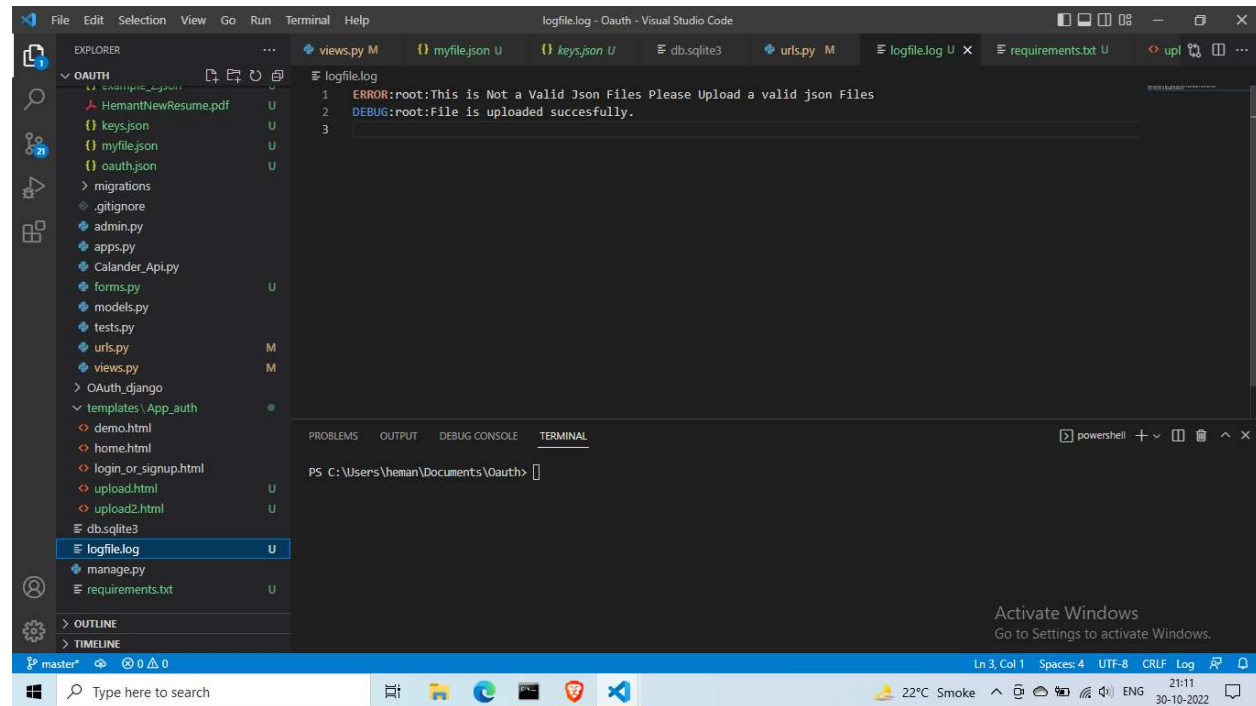
System check identified no issues (0 silenced).
October 30, 2022 - 20:44:43
Django version 3.2.4, using settings 'Oauth_django.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[30/Oct/2022 20:55:30] "GET /accounts/upload_file/ HTTP/1.1" 200 5959
HemantNewResume.pdf
[30/Oct/2022 20:58:24] "POST /accounts/upload_file/ HTTP/1.1" 200 32
[30/Oct/2022 21:01:55] "GET /accounts/upload_file/ HTTP/1.1" 200 5959
keys.json
<class 'dict'>
  Key Value
0 string Pluralsight
1 Name HemantMishra
2 Father GaneshMishra
3 Motehr LalitaDevi
4 Phone_No 8510981769
5 Physics 87
6 Math 87
7 Ds 86
8 number 1
9 true True
10 false False
11 null None
12 arrayOfStrings [a, b, c, d]
13 arrayOfNumbers [1, 2, 3, 4, 5]
14 arrayOfBooleans [True, False, True, False]
15 arrayOfObjects [{ 'a': 1 }, { 'a': 2 }]
16 object { 'anyKey': 'anyValue' }
[16] showing all Locations of dict Data
16
[30/Oct/2022 21:02:10] "POST /accounts/upload_file/ HTTP/1.1" 200 28
  
```

- When a user submits a Valid json file then there are two processes: first handling the file and writing the file at the directory and then Reading a file in the form of a dictionary and separating the keys and values from the dictionary.Directory with files.

```

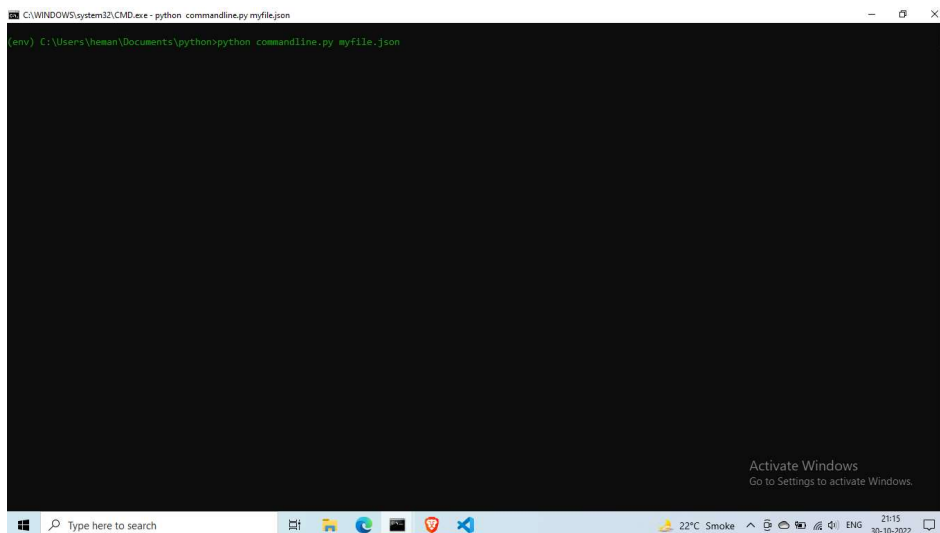
keys.json - Oauth - Visual Studio Code
App_auth > FileFolder > keys.json > ...
1 {
2   "string": "Pluralsight",
3   "Name": "HemantMishra",
4   "Father": "GaneshMishra",
5   "Motehr": "LalitaDevi",
6   "Phone_No": "8510981769",
7   "Physics": 87,
8   "Math": 87,
9   "Ds": 86,
10  "number": 1,
11  "true": true,
12  "false": false,
13  "null": null,
14  "arrayOfStrings": ["a", "b", "c", "d"],
15  "arrayOfNumbers": [1, 2, 3, 4, 5],
16  "arrayOfBooleans": [true, false, true, false],
17  "arrayOfObjects": [{ "a": 1 }, { "a": 2 }],
18  "object": {
19    "anyKey": "anyValue"
  }
}
  
```

- After that is Log File Created for handling the bugs and errors for the project and the Function if bug and error occurs then a log file is created.



Summary of the Assessment 2nd Second Task

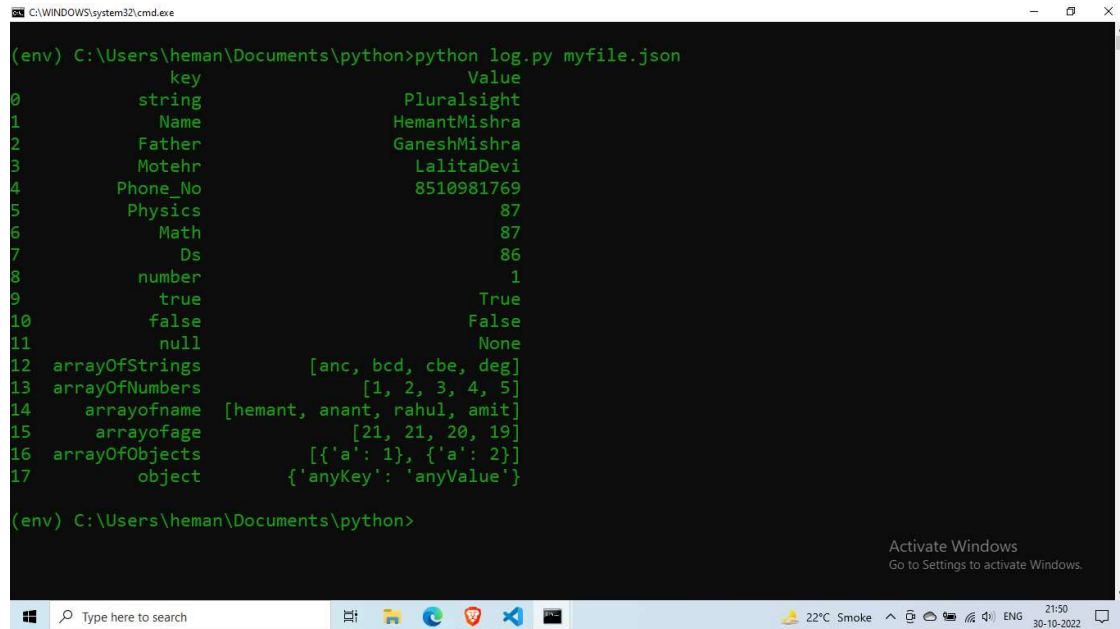
- First Created a Command Line Arguments Method for accessing the files from the Command Prompt.



- And then checking if this is a Valid json file or not if not again asking for the Valid Files.if json files are properly parsed to the backend.

- Then perform the Following task to the json files.and Created the Dataframe with the given condition. The values of the dictionary if the string is reversed and the values of the dictionary is integer then values are squared

BEFORE THE OPERATION JSON TO DATAFRAME



```
(env) C:\WINDOWS\system32\cmd.exe
(env) C:\Users\heman\Documents\python>python log.py myfile.json
key      Value
0      string      Pluralsight
1      Name      HemantMishra
2      Father      GaneshMishra
3      Motehr      LalitaDevi
4      Phone_No      8510981769
5      Physics      87
6      Math      87
7      Ds      86
8      number      1
9      true      True
10     false      False
11     null      None
12     arrayOfStrings      [anc, bcd, cbe, deg]
13     arrayOfNumbers      [1, 2, 3, 4, 5]
14     arrayofname      [hemant, anant, rahul, amit]
15     arrayofage      [21, 21, 20, 19]
16     arrayOfObjects      [{ 'a': 1 }, { 'a': 2 }]
17     object      { 'anyKey': 'anyValue' }

(env) C:\Users\heman\Documents\python>
```

Activate Windows
Go to Settings to activate Windows.

AFTER THE OPERATION JSON TO DATAFRAME

```
C:\WINDOWS\system32\cmd.exe

(env) C:\Users\heman\Documents\python>python commandline.py myfile.json

Key                Value
0      string      thgislaruIP
1      Name        arhsiMtnameH
2      Father      arhsiMhsenaG
3      Motehr       iveDatilaL
4      Phone_No     9671890158
5      Physics      7569
6      Math         7569
7      Ds           7396
8      number       1
9      true         1
10     false        0
11     null         None
12     arrayOfStrings [cna, dcb, ebc, ged]
13     arrayOfNumbers [1, 4, 9, 16, 25]
14     arrayofname    [tnameh, tnana, luhar, tima]
15     arrayofage     [441, 441, 400, 361]
16     arrayOfObjects [{ 'a': 1}, { 'a': 2}]
17     object        { 'anyKey': 'anyValue'}

(env) C:\Users\heman\Documents\python>
```

In which string is reversed and number is square and list as per data inside the data inside list.

Created a log file for Debugging and Error Purposes,warning purposes .

A Log Files for Handling Error is Here .

```
logfile.log - python - Visual Studio Code

log.py  Ping_output20221030195151.log  Logging.py  logfile.log  /p.txt  myfile.json  myfile.txt

PYTHON
  commandline.py
  lp.txt
  log.py
  logfile.log
  Logging.py
  myfile.json
  myfile.txt
  Ping_output20221030195151.log

logfile.log
1  DEBUG:root:Json Files is successfully Parsed and performed operations
2  |
```

