

INSTRUCTIONS:

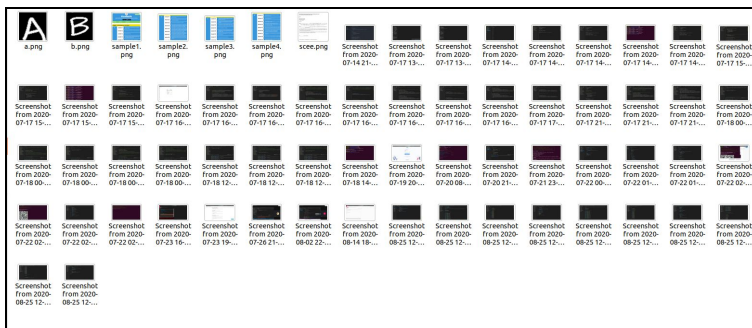
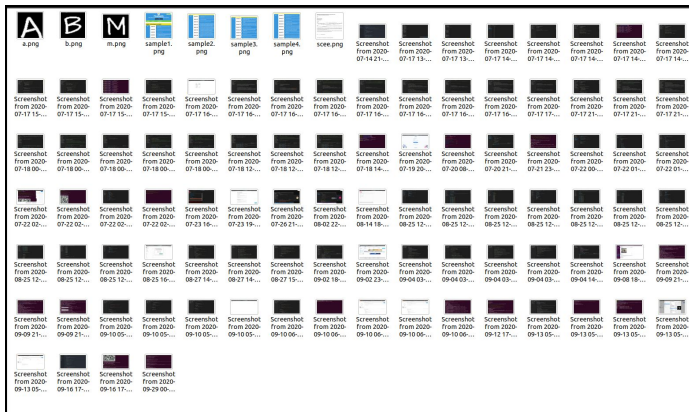
Goal of the Project:

In class 99, we learned about file manipulation.

In this project you'll have to write a program to delete files older than 30 days.

Story:

Raju is a lazy person who doesn't like to clean anything. He even keeps files which are years old in his computer. He wishes that he could do some magic which could help him clean stuff. You as a programmer can make that magic happen.



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

Getting Started:

1. Open your VS Code editor.

2. Create a Removefiles.py file.

Specific Tasks to complete the Project:

1. Import the modules time, os, and shutil.
2. Set the path and days to the variables.
3. Convert the number of days into seconds using **time.time()** method.
4. Check whether the path exists or not using the **os.path.exists(path)** module.
5. If the path exists, then get the list of files and folders present in the path, including subfolders. Use the method **os.walk(path)**, and it will return a generator containing folders, files, and subfolders.
6. Get the path of the file or folder by joining both the current path and file/folder name using the method **os.path.join()**.
7. Get the ctime from the **os.stat(path)** method using the attribute **st_ctime**.
8. Compare the ctime with the time we have calculated previously.
9. If the result is greater than the desired days of the user, then check whether it is a file or folder. If it is a file, use the **os.remove(path)** else use the **shutil.rmtree()** method.
10. If the path doesn't exist, print not found message.
11. Save and Run the code.

Submitting the Project:

1. Upload your completed project to your own github account.
2. Create a new repository named **Project 99**.
3. **Upload** working code to this github repository.
4. Submit the published link of the project in the Student Dashboard.

Hints:

1. Open the link and read about the time module in python.
<https://docs.python.org/3/library/time.html>
2. Open the link and read about the os.stat method
<https://docs.python.org/3/library/stat.html>
3. Open the link and read about shutil methods
<https://docs.python.org/3/library/shutil.html>
4. Usage of ctime:

```
# getting ctime of the file/folder
# time will be in seconds
ctime = os.stat(path).st_ctime

# returning the time
return ctime
```

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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