

**INSTALLATION OF POETRY :** Before poetry we must have python latest version

installation of python: Microsoft store / other source

(for verification of python installed or not )

Install poetry

```
C:\Users\Collective>python --version
Python 3.12.2

C:\Users\Collective>pip install poetry
```

```
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Collective>python --version
Python 3.12.2

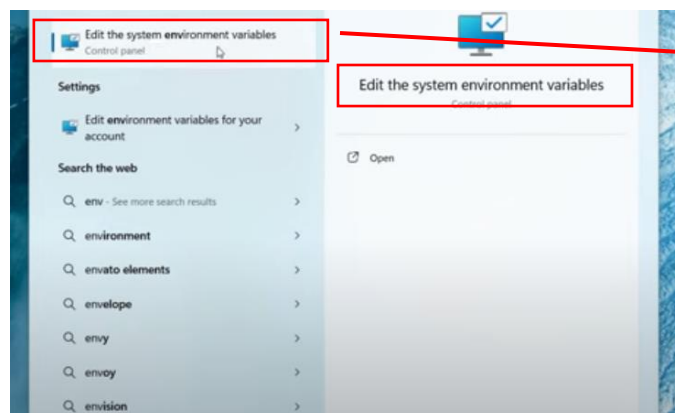
C:\Users\Collective>pip install |
```

**1: Poetry Installation completed (Poetry installed in this location) copy the highlighted path**

```
WARNING: The script pyproject-build.exe is installed in 'C:\Users\Collective\AppData\Local\Packa
ges\PythonSoftwareFoundation.Python.3.12_qbz5n2kfra8p0\LocalCache\local-packages\Python312\Scripts'
which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn
-script-location.
WARNING: The script keyring.exe is installed in 'C:\Users\Collective\AppData\Local\Packages\Pyth
onSoftwareFoundation.Python.3.12_qbz5n2kfra8p0\LocalCache\local-packages\Python312\Scripts' which
is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn
-script-location.
WARNING: The script poetry.exe is installed in 'C:\Users\Collective\AppData\Local\Packages\Pytho
nSoftwareFoundation.Python.3.12_qbz5n2kfra8p0\LocalCache\local-packages\Python312\Scripts' which i
s not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn
-script-location.
Successfully installed build-1.1.1 cachecontrol-0.14.0 cleo-2.1.0 crashtest-0.4.1 distlib-0.3.8 du
lwich-0.21.7 fastjsonschema-2.19.1 filelock-3.13.1 installer-0.7.0 jaraco.classes-3.3.1 keyring-24
.3.1 more-itertools-10.2.0 msgpack-1.0.8 packaging-24.0 pexpect-4.9.0 pkginfo-1.10.0 platformdirs-
4.2.0 poetry-1.8.2 poetry-core-1.9.0 poetry-plugin-export-1.7.0 ptyprocess-0.7.0 pyproject-hooks-1
.0.0 pywin32-ctypes-0.2.2 rapidfuzz-3.6.2 requests-toolbelt-1.0.0 shellingham-1.5.4 tomlkit-0.12.4
trove-classifiers-2024.3.3 virtualenv-20.25.1

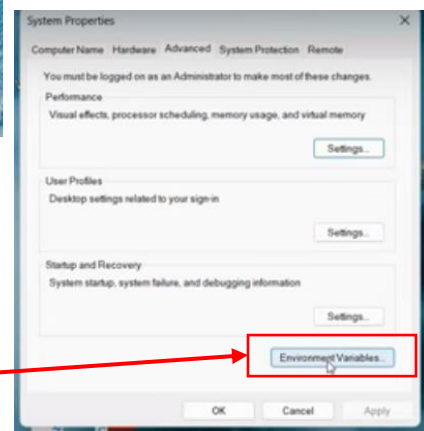
C:\Users\Collective>
```

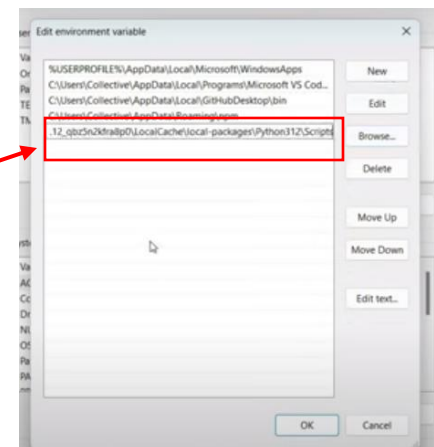
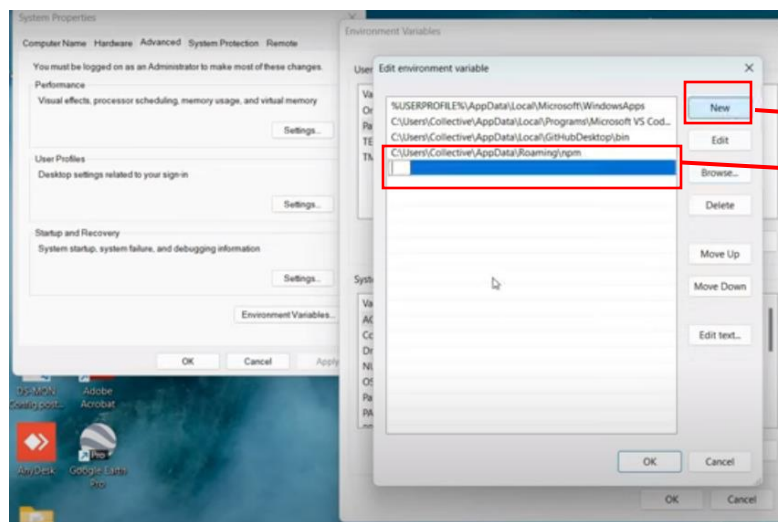
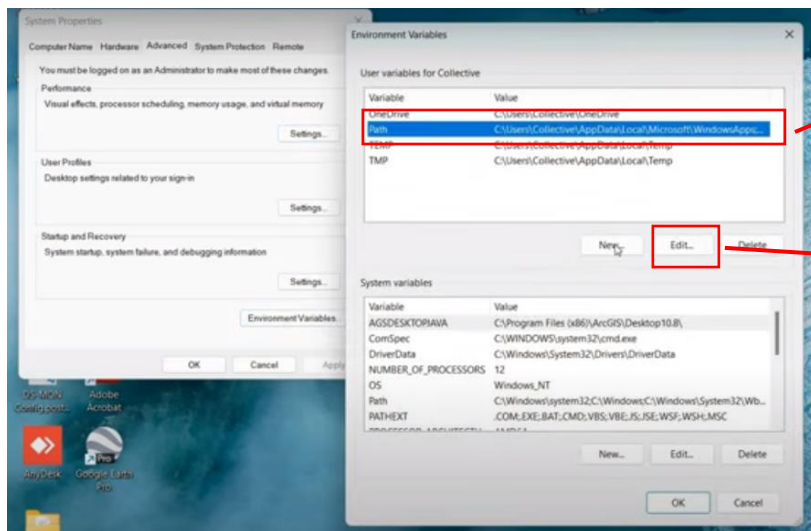
**Desktop-Start Menu Bar: Search and Open “System Environment Variable”**



**2 : “System Environment Variable**

**3: Click “ Environment Variable”**





7 : Paste here that you have copied in serial# 1 than "OK" .... And closed.

8 : CMD : check poetry installed or not

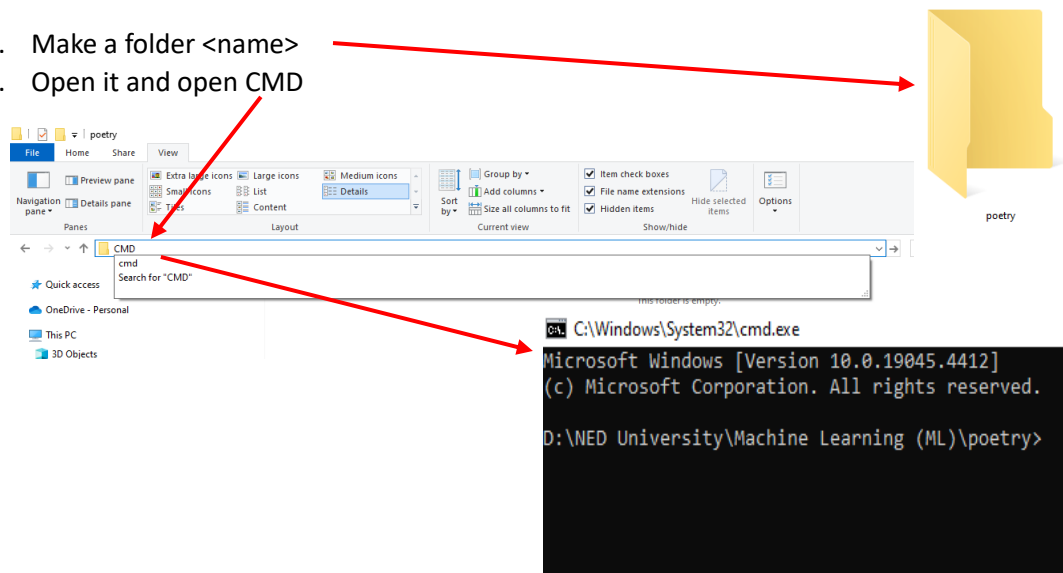
```
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Collective>poetry --version
Poetry (version 1.8.2)

C:\Users\Collective>
```

# POETRY PROJECT

1. Make a folder <name>
2. Open it and open CMD



3. Make new poetry filename

```
C:\Users\Collective\Desktop\next\poetry>poetry new fastapi_curd
```

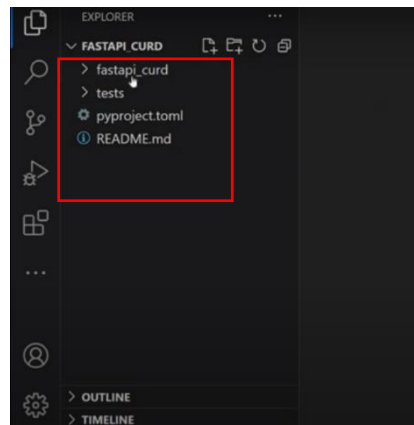
4. Now we go/enter into the file and open VS Code

```
C:\Users\Collective\Desktop\next\poetry>poetry new fastapi_curd
INFO: Could not find files for the given pattern(s).
Created package fastapi_curd in fastapi_curd

C:\Users\Collective\Desktop\next\poetry>cd fastapi_curd

C:\Users\Collective\Desktop\next\poetry\fastapi_curd>code .
```

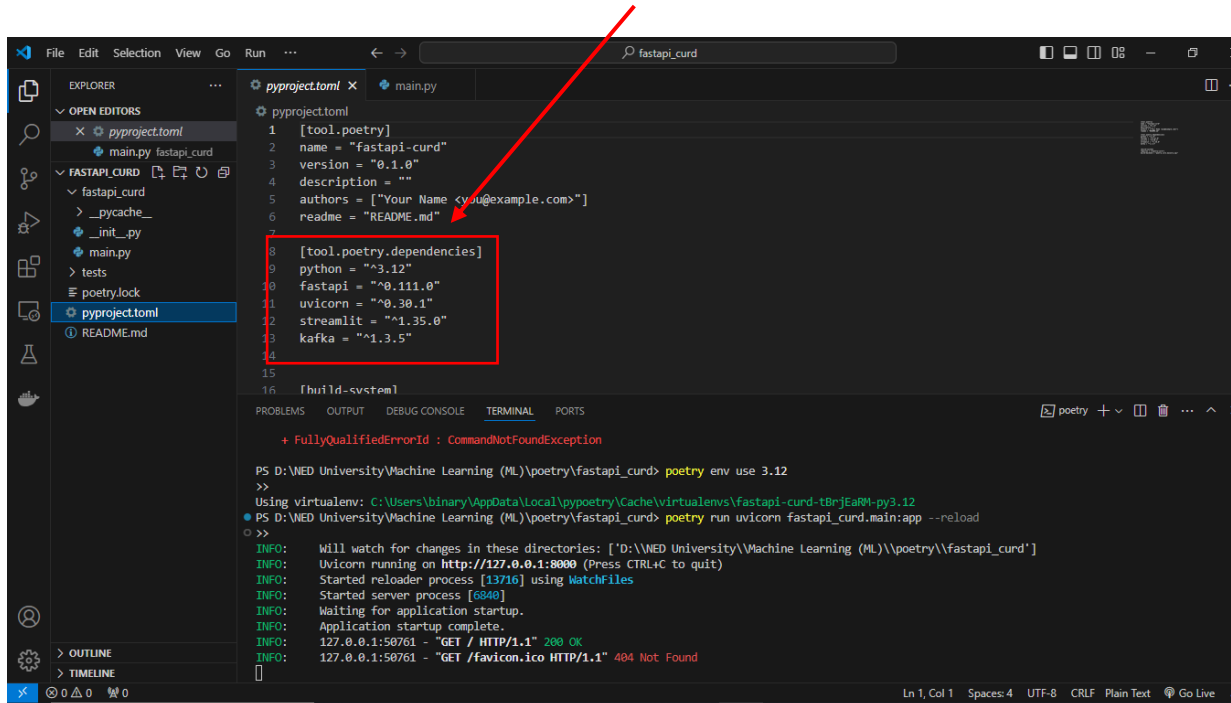
5. Now you can find the structure in VS Code



## Add/Install dependencies etc (can add more dependencies)

```
C:\Users\Collective\Desktop\next\poetry\fastapi_curd>poetry add fastapi uvicorn
```

After that we can find add/install dependencies in **project.toml** file

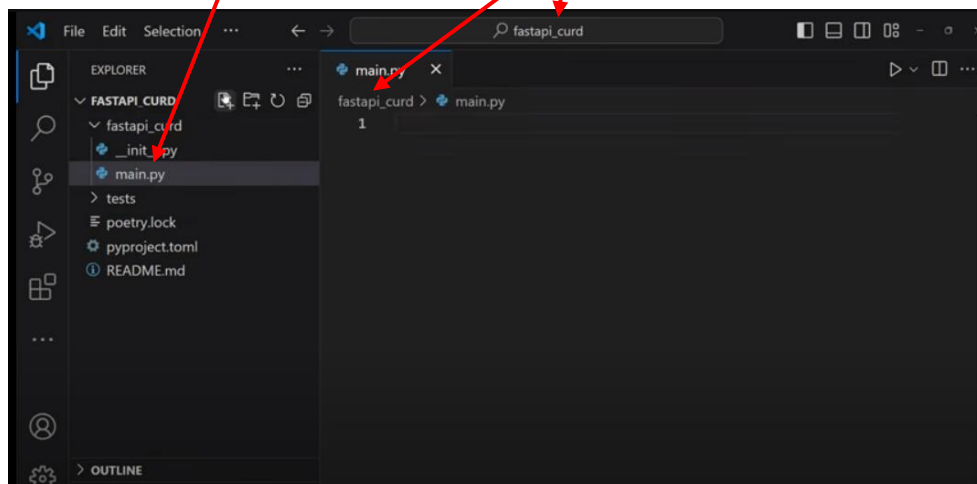


```
1 [tool.poetry]
2 name = "fastapi-curd"
3 version = "0.1.0"
4 description = ""
5 authors = ["Your Name <you@example.com>"]
6 readme = "README.md"
7
8 [tool.poetry.dependencies]
9 python = "^3.12"
10 fastapi = "^0.111.0"
11 uvicorn = "^0.30.1"
12 streamlit = "^1.35.0"
13 kafka = "^1.3.5"
14
15
16 [build-system]
```

Terminal output:

```
PS D:\VED University\Machine Learning (ML)\poetry\fastapi_curd> poetry env use 3.12
>>
Using virtualenv: C:\Users\binary\AppData\Local\pypoetry\Cache\virtualenvs\fastapi-curd-tBrjEaRM-py3.12
PS D:\VED University\Machine Learning (ML)\poetry\fastapi_curd> poetry run uvicorn fastapi_curd.main:app --reload
o >>
INFO: Will watch for changes in these directories: ['D:\VED University\Machine Learning (ML)\poetry\fastapi_curd']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [13716] using WatchFiles
INFO: Started server process [6840]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: 127.0.0.1:50761 - "GET / HTTP/1.1" 200 OK
INFO: 127.0.0.1:50761 - "GET /favicon.ico HTTP/1.1" 404 Not Found
```

Make new file **"main.py"** make sure your environment must be same (your file)



```
1
```

Now go to the (<https://fastapi.tiangolo.com/tutorial/first-steps/>) copy and paste

## First Steps

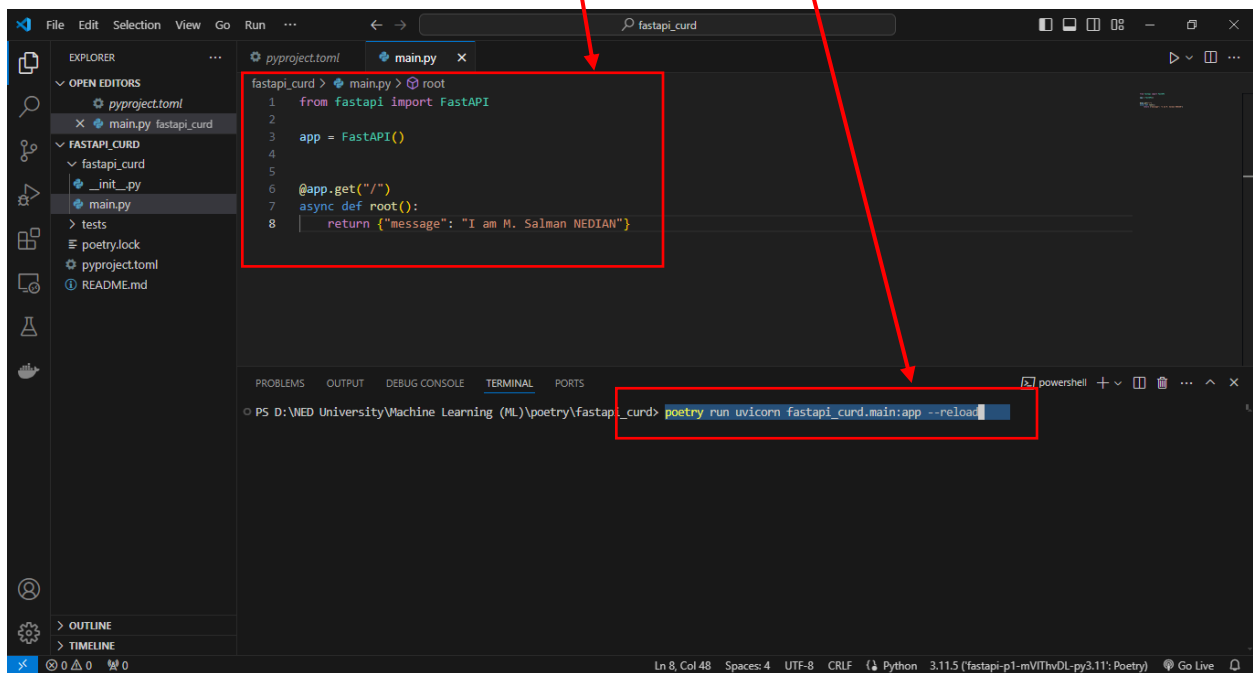
The simplest FastAPI file could look like this:

```
from fastapi import FastAPI

app = FastAPI()

@app.get("/")
async def root():
    return {"message": "Hello World"}
```

Then run in the **terminal** `poetry run uvicorn fastapi_curd.main:app --reload`



Then run in the **URL**: in the web browser

