



[Hindi] Virtual Environment (venv) in python explained | Advanced python tutorials in Hindi



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## Virtual Environment (venv) in python explained | Advanced python tutorials

**Introduction:** Hey guys! Today I will tell you:

- What is Virtual environment?
- Why you should use Virtual environment?
- How to set it up on your machine?

### What is a Virtual Environment?

I will explain it to you with an easy example. Have you ever cloned apps on your mobile? Like cloning whatsapp or facebook. Virtual environment is just that! You clone python to a folder. This new cloned python is like newly installed python like in cloned whatsapp(everything new, new number, new chats), you can install modules in this and they will never get mixed with your main python.

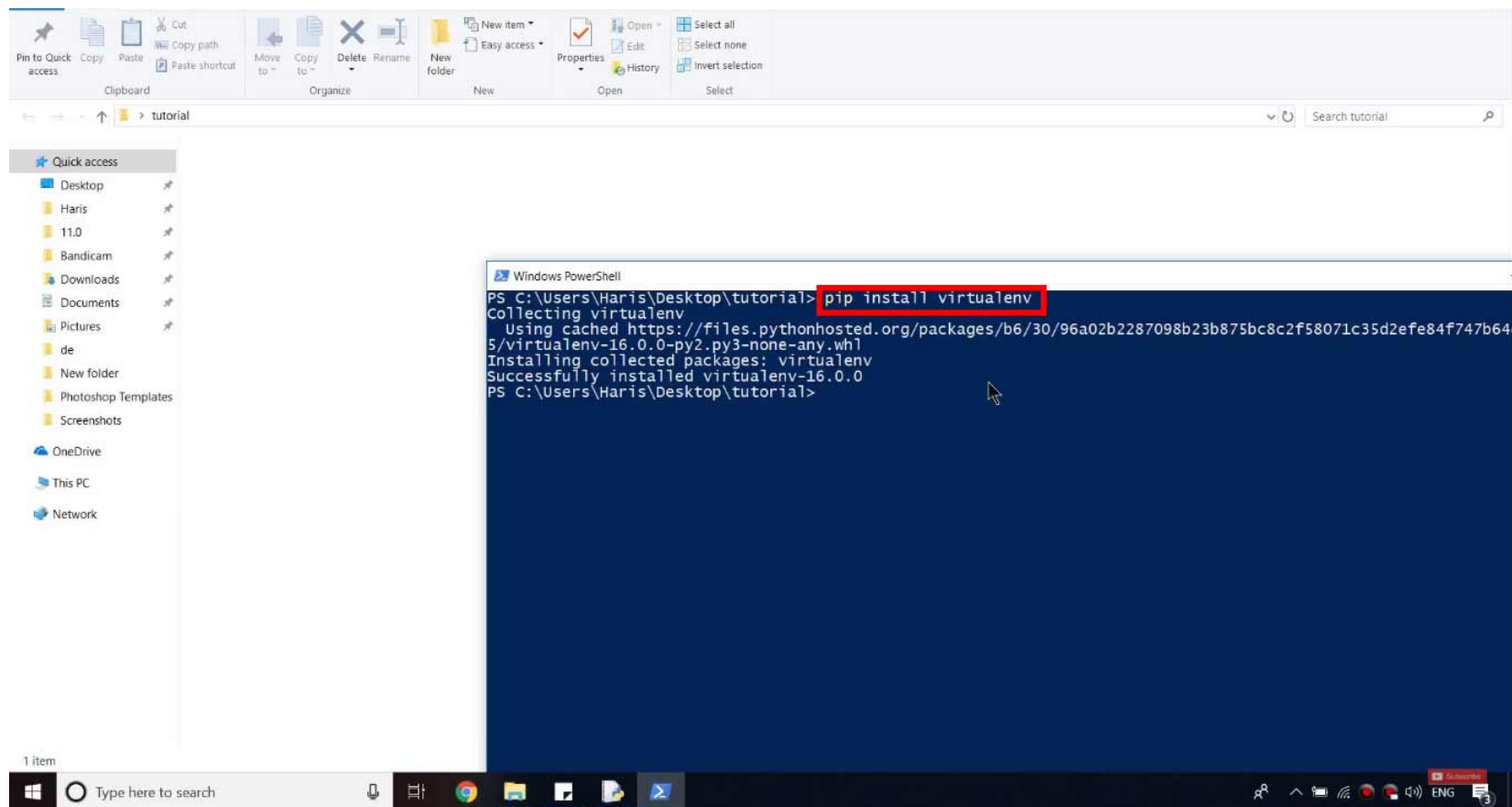
### Why you should use Virtual Environment?

Well, why do you use cloned apps? It could be because one is for business, one personal. Like that one python for a certain project and cloned for another. For example: You have written some code using newest version of pandas but you got a code/project which is written in older version of pandas. Now you can't install older version because then your other scripts with latest version of pandas will stop working so you make a virtual environment. In that you install older pandas which has nothing to do with the main python. That older pandas module only

## How to set up Virtual Environment on your machine?

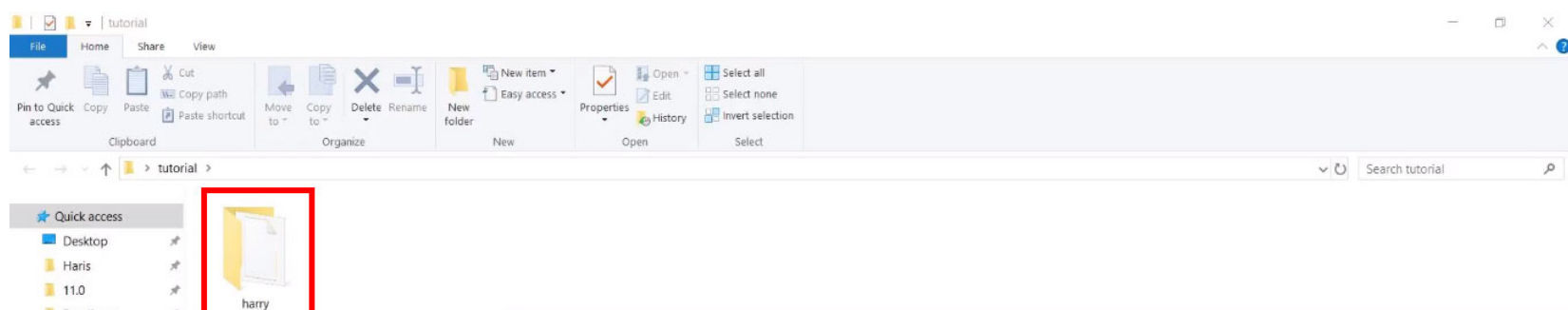
**Step 2:** Open Powershell Window or Command Prompt in that folder.

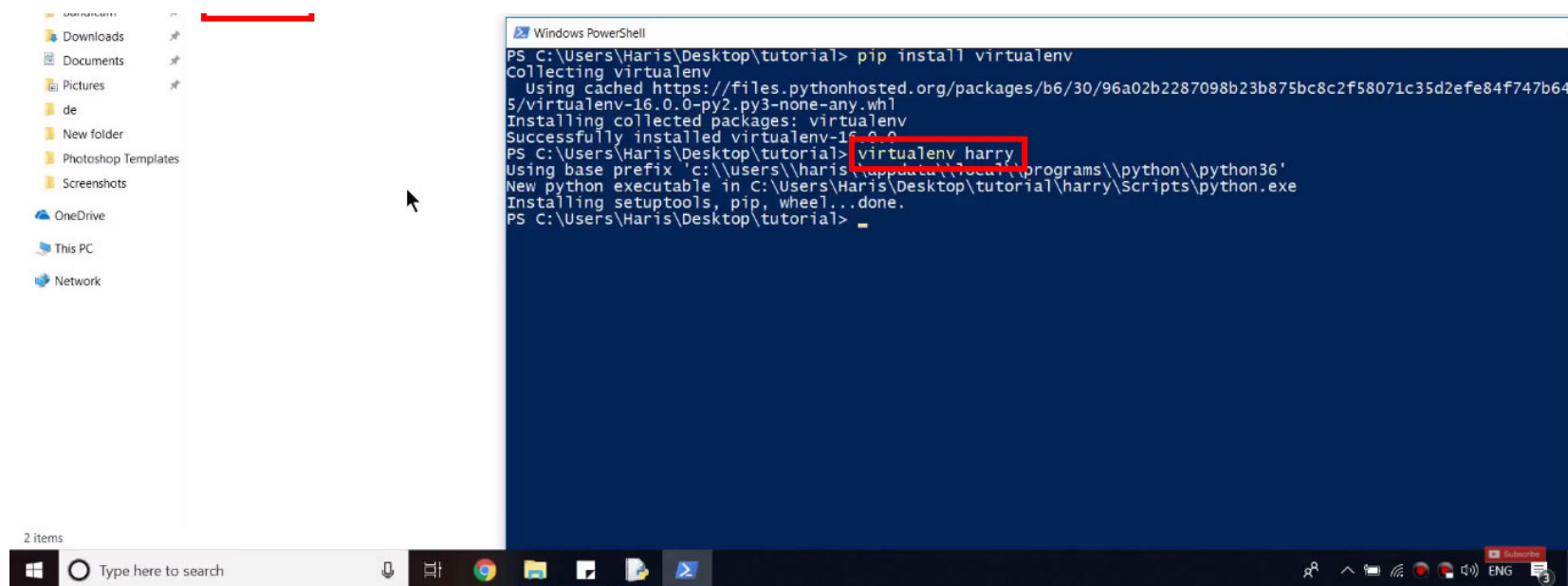




**Step 4:** Write virtualenv and name of your Virtual Environment. Like:

`virtualenv harry`





A new folder will be created and your Virtual Environment is ready!

**#main.py file as described in the video**

```
import pandas as pd
print("it ran successfully")
```

**#requirements.txt file as described in the video**

```
numpy==1.14.5
pandas==0.23.3
python-dateutil==2.7.3
pytz==2018.5
scikit-learn==0.19.1
six==1.11.0
sklearn==0.0
```

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