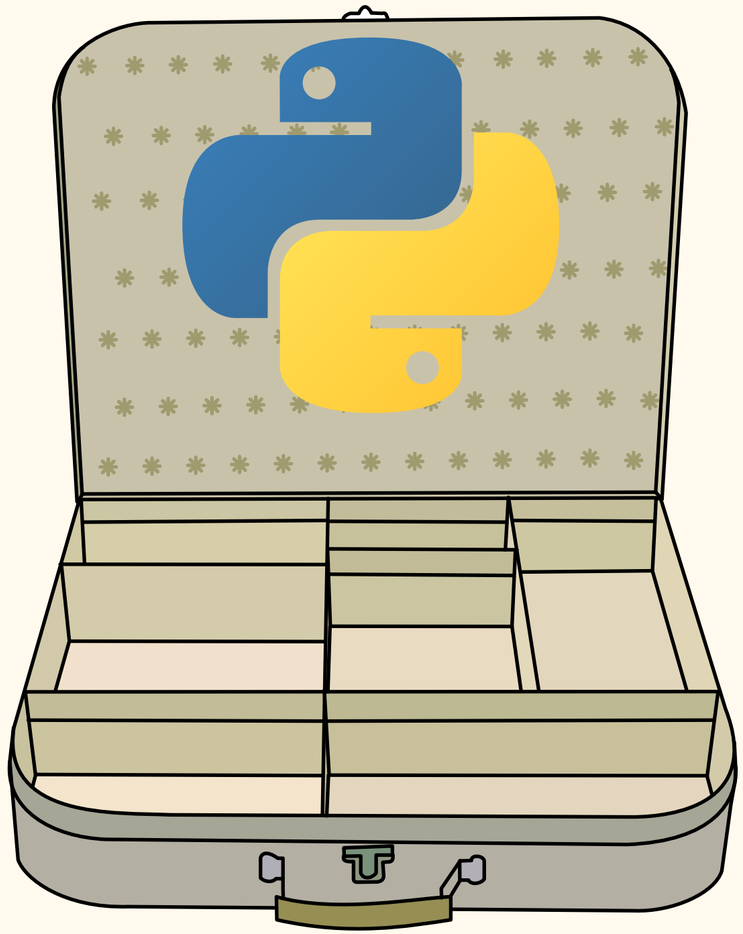
PYTHON VIRTUAL ENVIRONMENT : INTRO & PRACTICE



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USING PYTHON INBUILT VIRTUAL ENVIRONMENT

A BRIEF

- COMES PRE-INSTALLED IN PYTHON 3.3 & ABOVE
- WIDELY USED WHEN THINKING ABOUT VIRTUAL ENVIRONMENT FIRST TIME
- SIMPLE TO USE AND
- INTUITIVE TO WORK WITH
- VERSION & LIBRARY DEPENDENCIES ARE EASILY MANAGEABLE

SOME CHALLENGES:

- INTEGRATING WITH IDE CAN BE A CHALLENGE
- EACH V-ENV USE ADDITIONAL DISK SPACE
- SOME V-ENVS CAN BECOME OUTDATED
- PYTHON THAT IS USED IN BASE SYSTEM IS REPLICATED
- CAN ONLY CONTROL PYTHON RELATED PACKAGES

INSTALLATION TO EXECUTION

VIRTUAL ENVIRONMENT COMES PRE-INSTALLED IN PYTHON 3.3 & ABOVE

- SUDO APT-GET INSTALL PYTHON3.6-VENV
- SUDO DNF INSTALL PYTHON3-VIRTUALENV.
- PIP INSTALL VIRTUALENV

1) PYTHON -M VENV MY_VENV
2) SOURCE MY_VENV/BIN/ACTIVATE
3) **PIP INSTALL -R REQUIREMENTS.TXT**
4) PIP INSTALL PANDAS FASTAPI
5) PIP FREEZE > REQUIREMENTS.TXT
6) DEACTIVATE

1) CREATE ENVIRONMENT
2) ACTIVATE IT
3) INSTALLING LIBRARIES
3) DO NECESSARY WORK
4) **COLLECT LIBRARY LIST**
5) EXIT THE ENVIRONMENT

SOURCE COMMAND IN LINUX ESTABLISHES THE PATH TO THE EXECUTABLES

THANKS FOR WATCHING

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