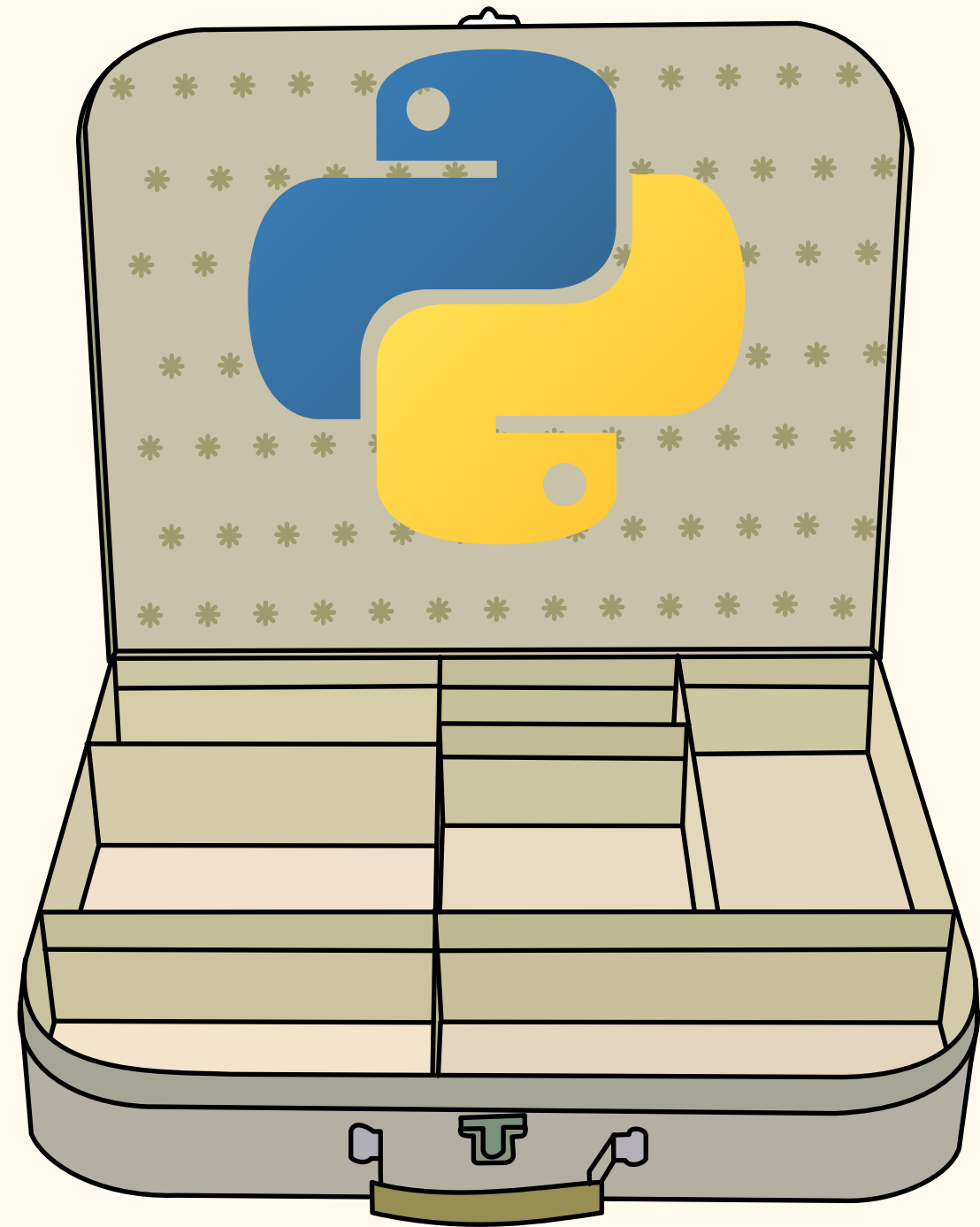
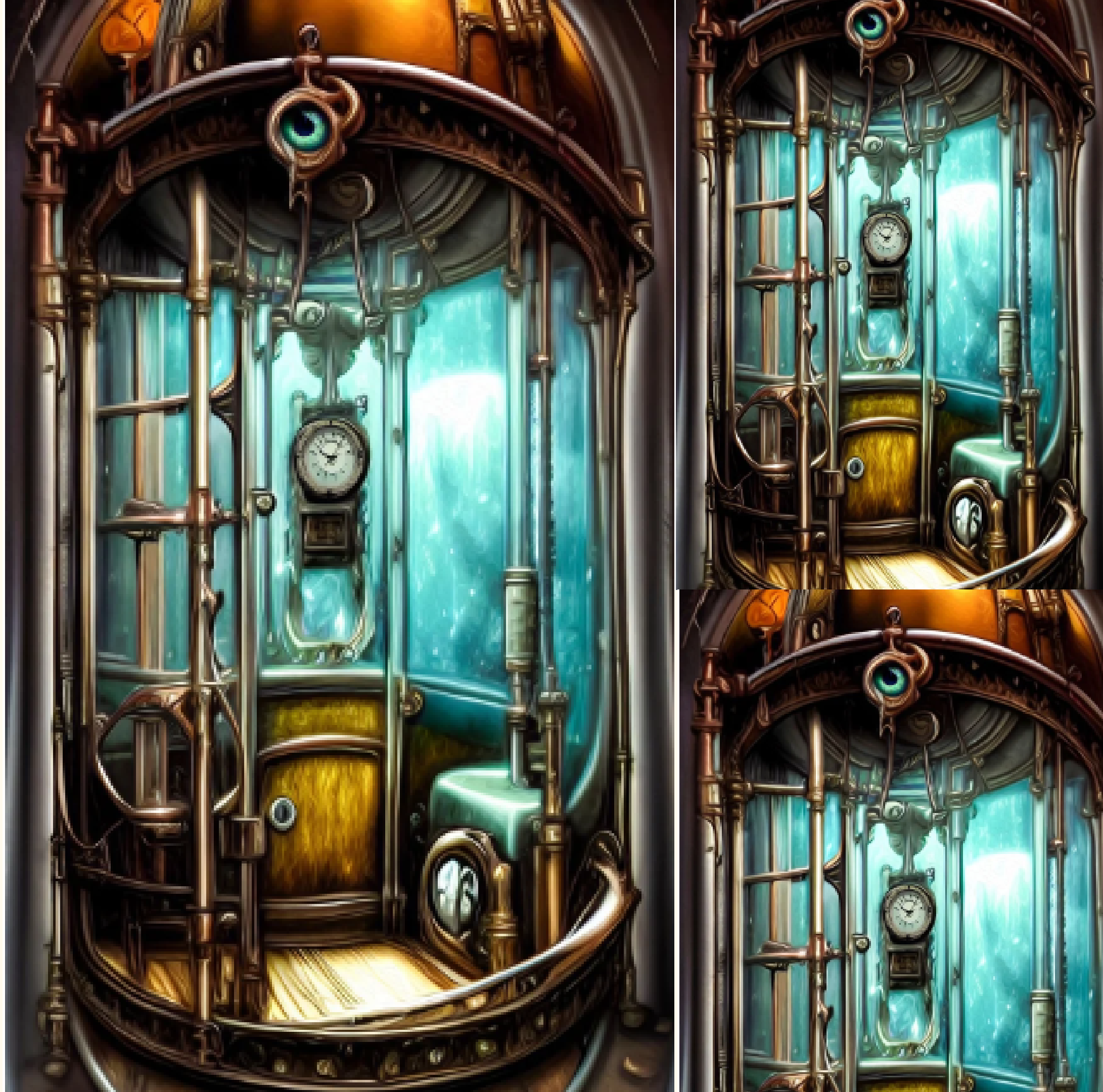


PYTHON VIRTUAL ENVIRONMENT : INTRO & PRACTICE

<https://github.com/insightbuilder>



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- **SOME V-ENVS CAN BECOME OUTDATED**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-ENV
- 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

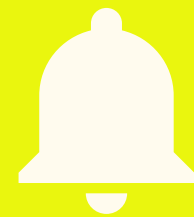
THANKS FOR WATCHING



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