

Instalasi Jupyter dan Python Serta Dasar Bahasa Python

Presentation by Moh Dzaky Irhab

Overview

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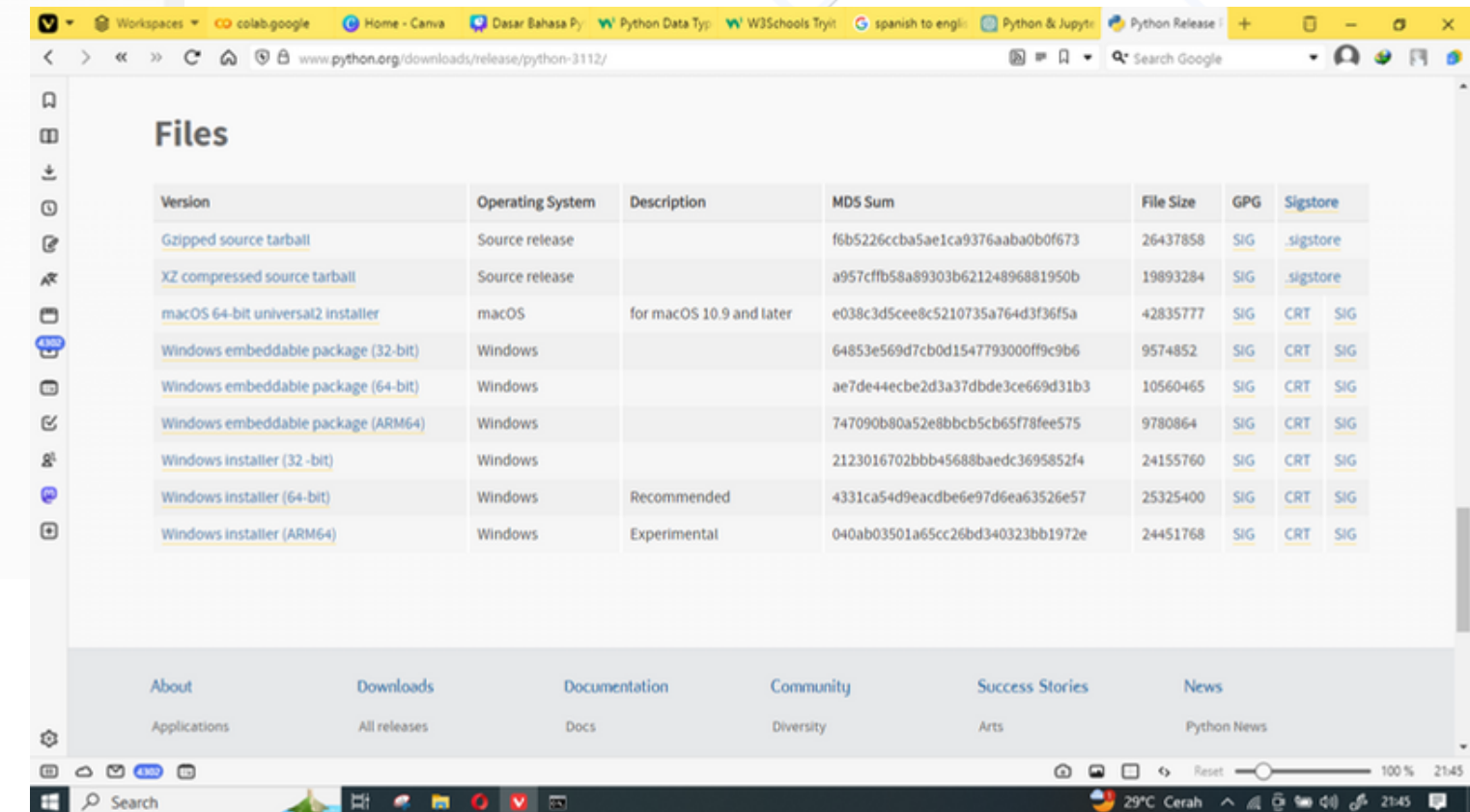
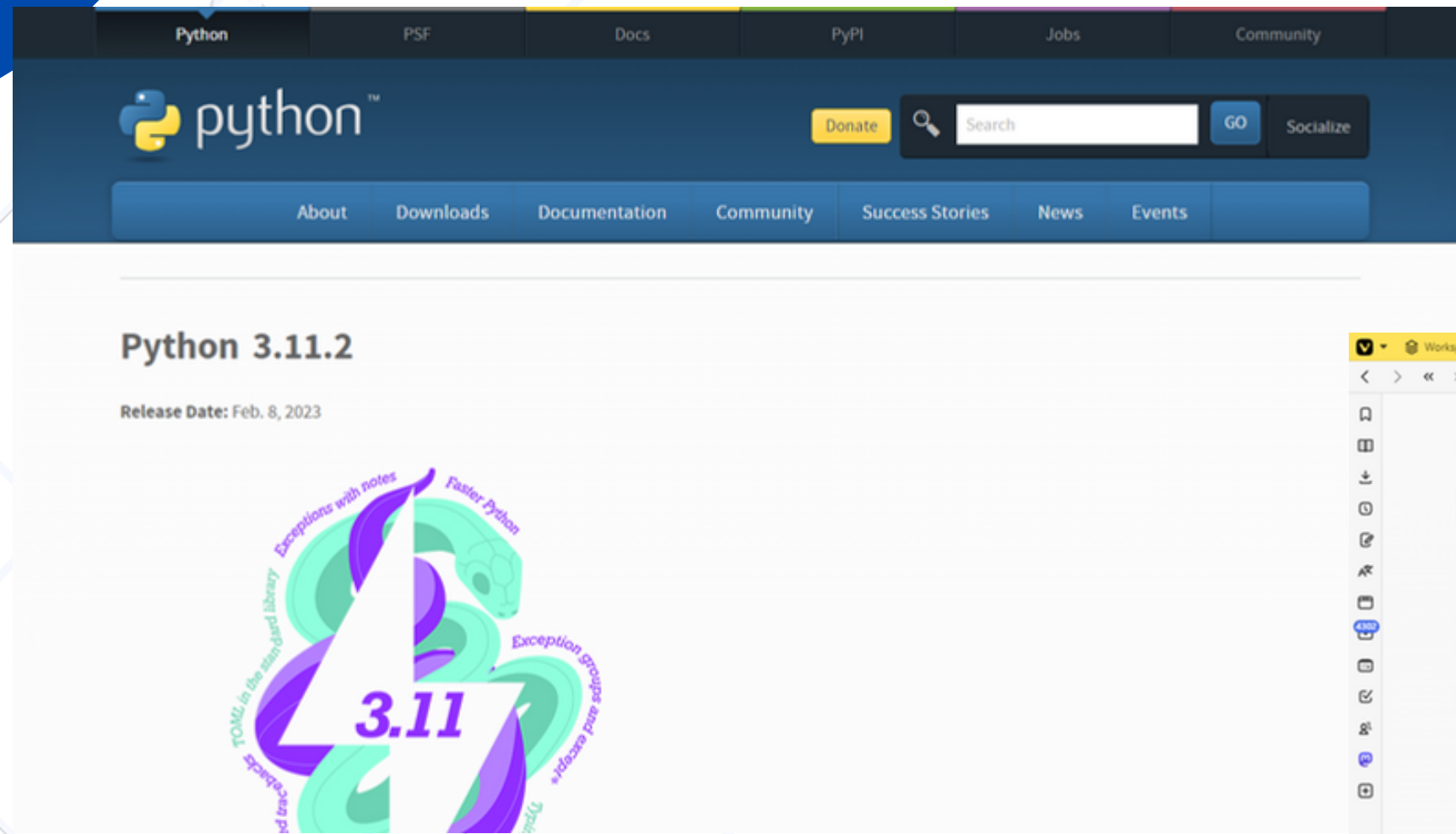
Short Review

Jupyter adalah alat pengembangan interaktif yang sangat populer di bidang pengolahan data dan ilmu data. Ini memungkinkan pengguna untuk menulis dan menjalankan kode Python secara interaktif dalam sel-sel, yang dapat berisi kode, teks, atau visualisasi. Ini sangat berguna untuk eksplorasi data, analisis, dan pembuatan notebook terstruktur.

Python adalah bahasa pemrograman tingkat tinggi yang mudah digunakan dengan sintaksis yang bersahabat. Dikenal dengan pustaka kuat dan komunitas besar, Python digunakan secara luas di berbagai bidang seperti pengembangan perangkat lunak, pengolahan data, kecerdasan buatan, pengembangan web, dan lainnya.

02

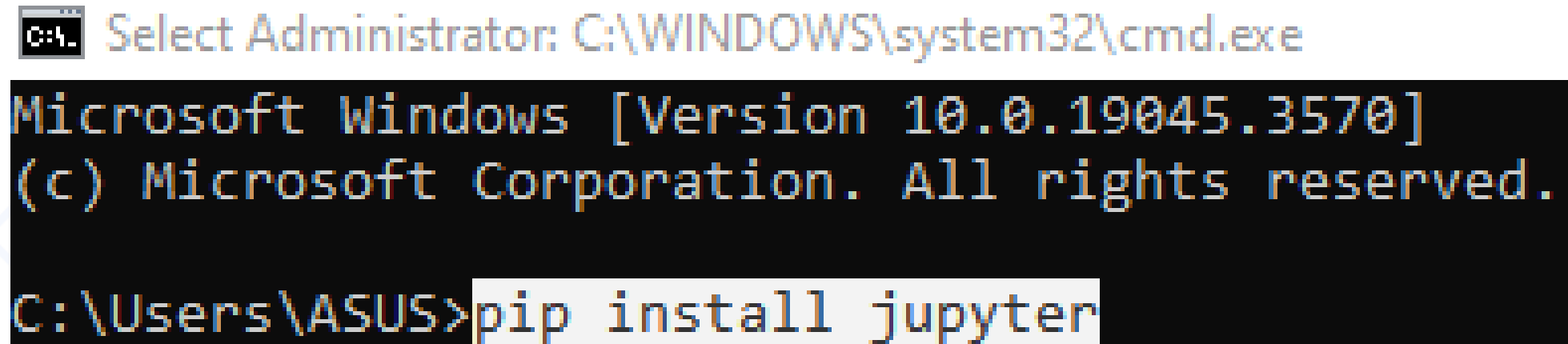
Instalasi



01

Download Python Version 3.xx (3.11.2) Custom Install

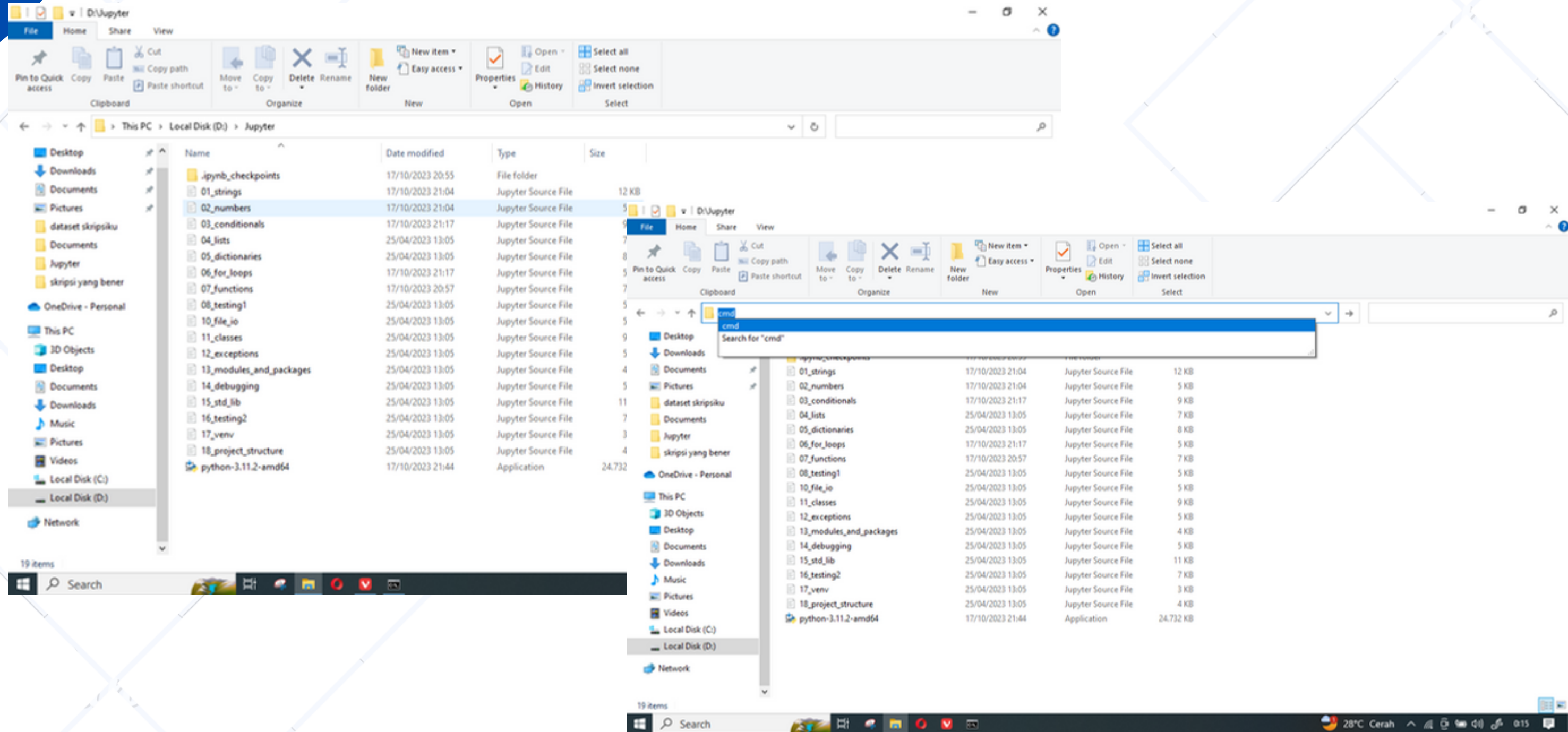
Instalasi

A screenshot of a Windows Command Prompt window. The title bar reads "Select Administrator: C:\WINDOWS\system32\cmd.exe". The window content shows the Microsoft Windows version (10.0.19045.3570) and copyright information. The command prompt shows the user is in the directory C:\Users\ASUS and has entered the command "pip install jupyter".

```
0% Select Administrator: C:\WINDOWS\system32\cmd.exe  
Microsoft Windows [Version 10.0.19045.3570]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\ASUS>pip install jupyter
```

02

Instalasi



03

Open File Explorer (Folder Target), Type CMD and Enter

02

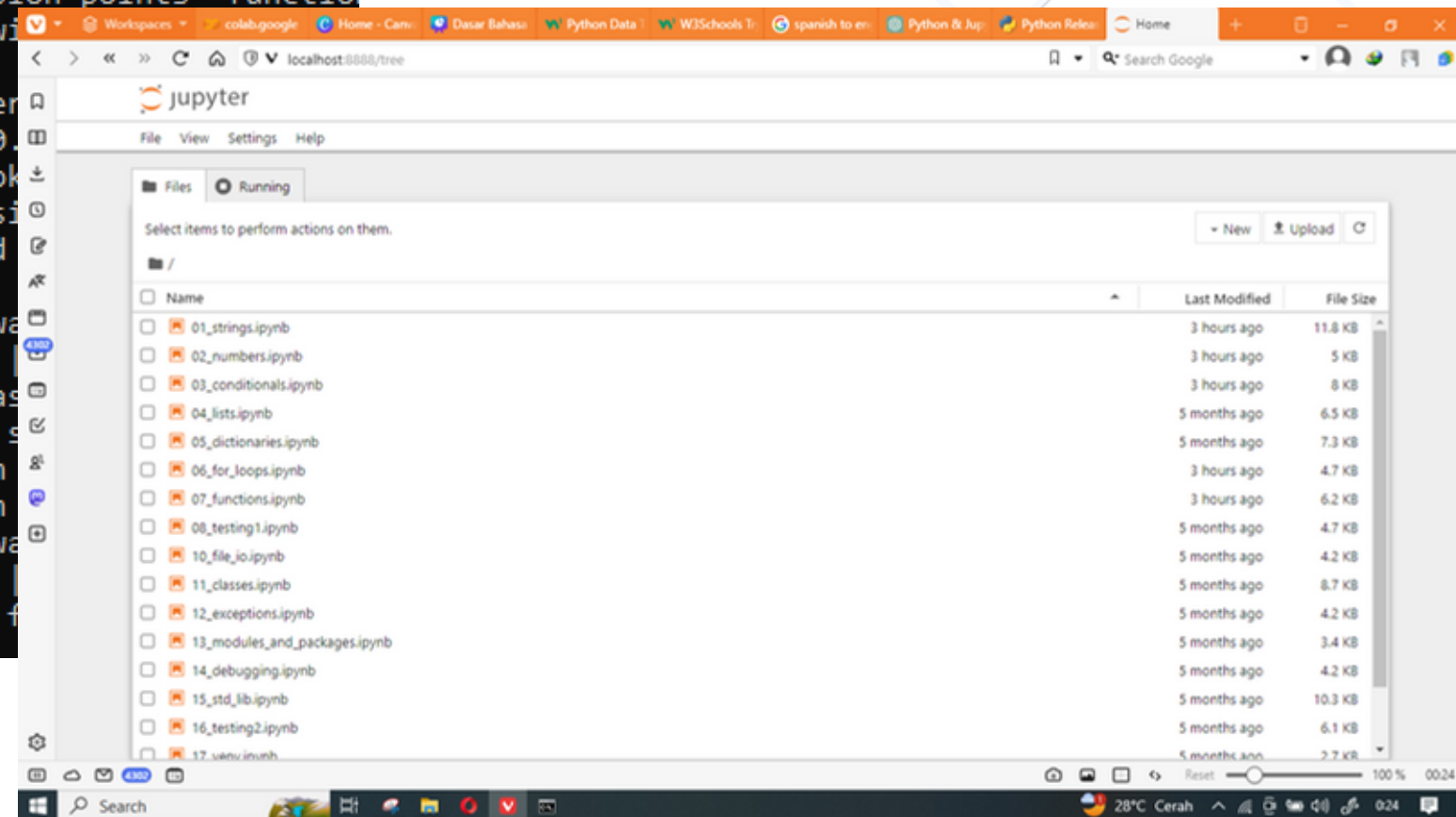
Instalasi

Administrator: C:\Windows\System32\cmd.exe - python -m notebook

Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

D:\Jupyter>python -m notebook

```
[I 2023-10-18 00:22:05.616 ServerApp] Package notebook took 0.0000s to import
[I 2023-10-18 00:22:10.480 ServerApp] Package jupyter_lsp took 4.8627s to import
[W 2023-10-18 00:22:10.480 ServerApp] A `_jupyter_server_extension_points` function
d, a `_jupyter_server_extension_paths` function was found and wi
d in future releases of Jupyter Server.
[I 2023-10-18 00:22:14.097 ServerApp] Package jupyter_server_ter
[I 2023-10-18 00:22:14.097 ServerApp] Package jupyterlab took 0.
[I 2023-10-18 00:22:18.173 ServerApp] Package notebook_shim took
[W 2023-10-18 00:22:18.173 ServerApp] A `_jupyter_server_extensi
ead, a `_jupyter_server_extension_paths` function was found and
ted in future releases of Jupyter Server.
[I 2023-10-18 00:22:18.204 ServerApp] jupyter_lsp | extension wa
[I 2023-10-18 00:22:18.220 ServerApp] jupyter_server_terminals |
[I 2023-10-18 00:22:18.245 ServerApp] jupyterlab | extension was
[I 2023-10-18 00:22:18.267 ServerApp] notebook | extension was s
[I 2023-10-18 00:22:33.502 ServerApp] notebook_shim | extension
[I 2023-10-18 00:22:33.971 ServerApp] notebook_shim | extension
[I 2023-10-18 00:22:33.971 ServerApp] jupyter_lsp | extension wa
[I 2023-10-18 00:22:33.971 ServerApp] jupyter_server_terminals |
[I 2023-10-18 00:22:33.986 LabApp] JupyterLab extension loaded f
1\lib\site-packages\jupyterlab
```



04 Type In CMD (python -m notebook) and Done

Dasar Python

Kali Ini Hal Utama Yang Kalian Pelajari Adalah

- String
- Number
- Conditional
- For Loop
- Open Files
- Visualization Data

Demo String - For Loop

Short Explaining - Library

Sebuah "library" dalam bahasa pemrograman Python adalah kumpulan kode yang sudah ditulis sebelumnya, yang bisa digunakan oleh para pengembang untuk menjalankan tugas-tugas tertentu tanpa harus menulis ulang kode dari awal. Ini mirip dengan memiliki kotak perkakas alat-alat yang bisa Anda gunakan untuk mengerjakan pekerjaan lebih cepat.

Install Library First

- Pandas (pip install pandas)
- Matplotlib (pip install matplotlib)

Demo Open Files - Visualization Data

Simple App

- Tebak Angka
- Kalkulator

Canva

Thank You

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