

PENPERKENALAN PYTHON

KOMIKA 2023





Apa saja yang akan dibahas?

- 01** Perkenalan dengan Python
- 02** Type data pada python
- 03** Struktur data pada python
- 04** Struktur fungsi
- 05** EDA (Exploratory data Analysis)
- 06** Visualisasi pada python
- 07** Modul dan Packages (Library)





APA ITU PYTHON?



01 ASAL MULA

Bahasa pemrograman ABC

02 RILIS

1991 Oleh Guido van Rossum (Belanda)

03 Versi

Python 1. – Python 3.



KENAPA PYTHON?

01

SIMPLE

02

OPEN SOURCE

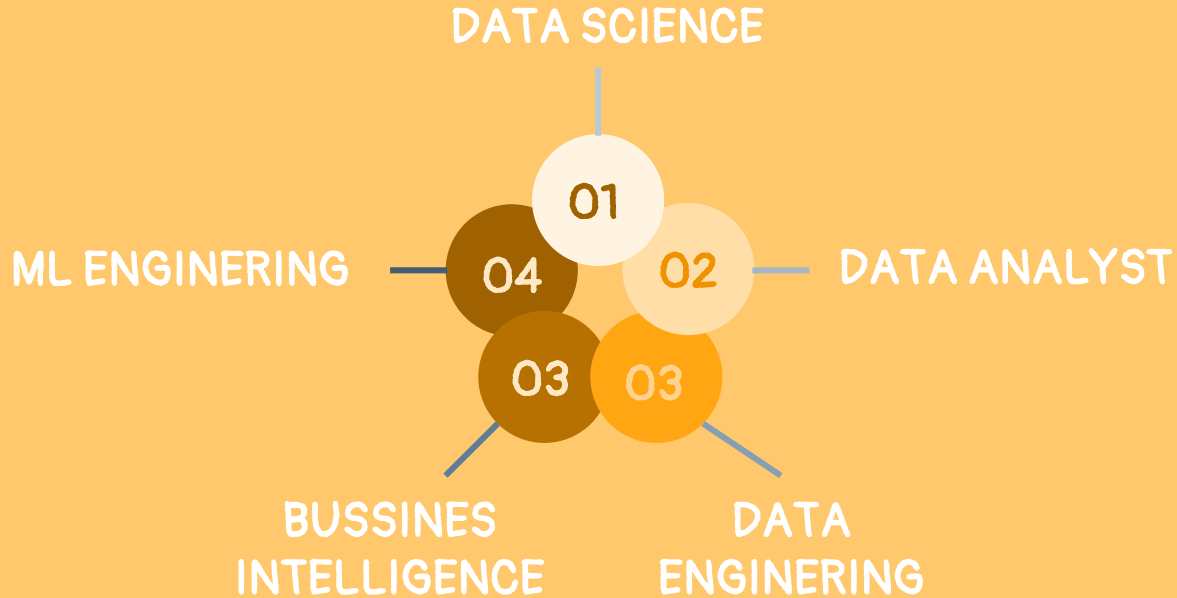
03

POWER FULL

04

EXTENSIVE
COVERAGE

DATA PROFESSIONAL



BAGAIMANA CARA PYTHON BERKERJA?



READ

Membaca inputan
atau kode yang
diberikan



EVAL

Proses
mengeksekusi
code



PRINT

Proses untuk
menampilkan hasil
(output)



LOOP

Proses
Pengulangan
R-E-P

PYTHON PACKAGE



Digunakan untuk untuk memproses data dalam bentuk tabel



Digunakan untuk mengolah data dalam bentuk array atau matriks



Digunakan untuk perhitungan matematika dan statistika



Digunakan untuk visualisasi data dalam bentuk grafik dan plot



Dibangun di atas library Matplotlib yang juga merupakan library untuk memvisualisasikan data



Berguna untuk mempermudah proses machine learning

PYTHON ENVIRONMENT



ANACONDA

Anaconda | The World's
Most Popular Data Science
Platform



MINICONDA

Miniconda — conda
documentation



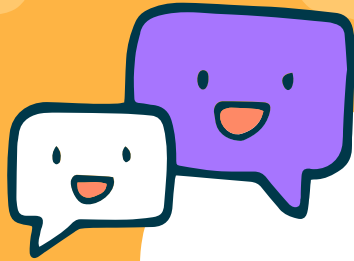
JUPYTER NOTEBOOK

Project Jupyter | Home



GOOGLE COLABS

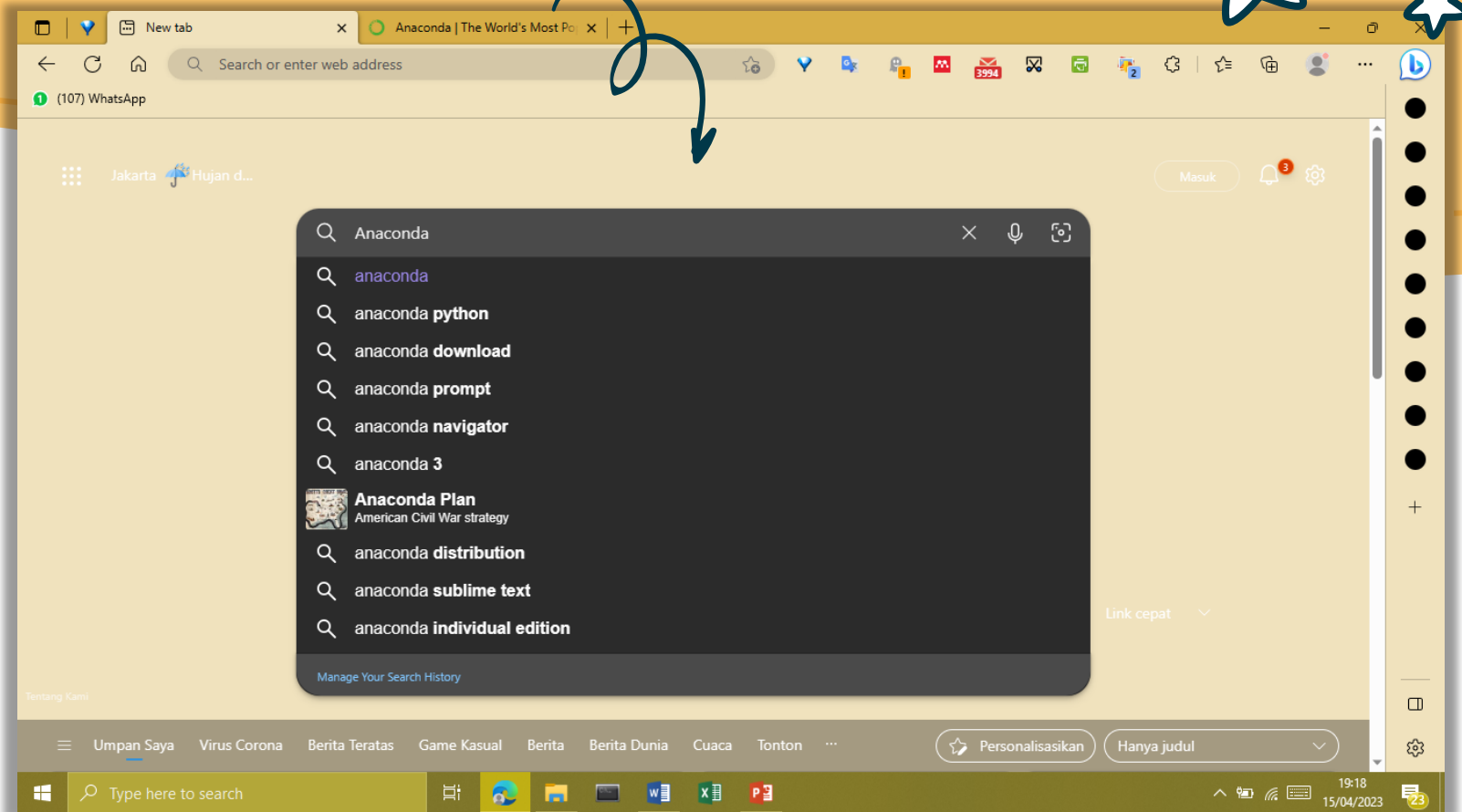
Google Colab



ANACONDA INSTALATION AND JUPYTER NOTEBOOK



- Search "ANACONDA" di pencarian google



● Pilih "Anaconda | The World's Most Popular Data Science Platform"



The screenshot shows a Microsoft Bing search results page for the query 'anaconda'. The browser's address bar shows the URL 'https://www.bing.com/search?q=anaconda&cvd=39800a1ff77c4e85b6...'. The search results include a featured snippet for 'Anaconda' with a 'FREE' badge and a 'Get from Microsoft Store' button. Below this, there is a knowledge panel for 'Anaconda' with a description, social media links, and developer information. A list of search results is also visible, with the first result titled 'Anaconda | The World's Most Popular Data Science ...' highlighted by a blue arrow. The Windows taskbar is visible at the bottom of the screen.

Microsoft Bing

About 47.800.000 results

Anaconda
Software · Anaconda, Inc.
Anaconda Distribution by Anaconda, Inc. is a software that equips individuals with the ability to easily search and install thousands of Python/R packages and access a vast library of community content and support. It provides an easy installation...

Anaconda

Python distribution
Anaconda is a distribution of the Python and R programming languages for scientific computing, that aims to simplify package management and deployment. The distribution includes data-science packages ...

Developer(s) Anaconda, Inc. (previously Continuum A...
Initial release 0.8.0/17 July 2012
Stable release 2022.10 / 18 October 2022
Written in Python
See more

Anaconda | The World's Most Popular Data Science ...
<https://www.anaconda.com>
Web **Anaconda** is the birthplace of Python data science. We are a movement of data scientists, data-driven enterprises, and open source communities.
Pricing Anaconda Enterprise is secure and scalable end-to-end code development ...
Anaconda Professional Com... Anaconda Professional enables data scientists, developers, and IT teams to ...
Anaconda Business Cloud re Anaconda includes a GUI called **Anaconda**

Type here to search 19:17 15/04/2023

- Klik Download atau pilih Get Additional Installers untuk menyesuaikan dengan device anda



The screenshot shows the Anaconda website homepage in a web browser. The browser's address bar displays <https://www.anaconda.com>. The website features a navigation bar with links for Products, Pricing, Solutions, Resources, Partners, Blog, and Company, along with a Contact Sales button. The main heading reads "Start Coding Immediately" with the subtext "Spin up awesome data science projects anytime, anywhere!". Below this, there are two prominent green buttons: "Code in the cloud" and "Download". Under the "Download" button, the text "Get Additional Installers" is displayed, followed by icons for Windows, macOS, and Linux. A blue arrow originates from the bottom of the frame and points directly to the "Get Additional Installers" text. The Windows taskbar at the bottom shows the search bar and several application icons. The system clock indicates the time is 19:14 on 15/04/2023.

- Klik Download atau pilih Get Additional Installers untuk menyesuaikan dengan device anda



ANACONDA

Products ▾ Pricing Solutions ▾ Resources ▾ Partners ▾ Blog Company ▾

Contact Sales

Start Coding Immediately

Spin up awesome data science projects anytime, anywhere!

Code in the cloud

Download

Get Additional Installers

Windows | macOS | Linux

Touch keyboard

Type here to search

19:14 15/04/2023

- Klik Download atau pilih Get Additional Installers untuk menyesuaikan dengan device anda



ANACONDA. Products ▾ Pricing Solutions ▾ Resources ▾ Partners ▾ Blog Company ▾ Contact Sales

Start Coding Immediately

Spin up awesome data science projects anytime, anywhere!

[Code in the cloud](#) [Download](#)

Get Additional Installers

Windows | macOS | Linux

Touch keyboard

Type here to search

19:14 15/04/2023

- Klik "Download" atau pilih Get Additional Installers untuk menyesuaikan dengan device anda



The screenshot shows the Anaconda website homepage. The browser's address bar displays <https://www.anaconda.com>. The website features the Anaconda logo and navigation links: Products, Pricing, Solutions, Resources, Partners, Blog, and Company. A 'Contact Sales' button is located in the top right corner. The main heading reads 'Start Coding Immediately', followed by the tagline 'Spin up awesome data science projects anytime, anywhere!'. Below this, there are two green buttons: 'Code in the cloud' and 'Download'. Under the 'Download' button, the text 'Get Additional Installers' is displayed, accompanied by icons for Windows, macOS, and Linux. A blue arrow points from the bottom of the screen to the 'Get Additional Installers' link. The Windows taskbar at the bottom shows the search bar, task view button, and several open applications including File Explorer, Microsoft Word, Excel, and PowerPoint. The system clock indicates 19:14 on 15/04/2023.



TERIMA KASIH

Selamat Belajar!!!

