

# Petunjuk Pengerjaan

Dokumen ini memang **tidak open access untuk edit**, maka **download lah file ini lalu kerjakanlah pada device masing-masing**, dengan cara **klik file** pada pojok kiri, **pilih download**, dan **pilihlah Microsoft Powerpoint .pptx**. Untuk mengerjakan, perhatikan perintah **dibawah ini**:

1. Uji pemahaman kamu dengan mengerjakan post test pada link berikut: <https://bit.ly/PostTestSCDataPython>
2. Buatlah rangkuman untuk materi yang kamu pelajari hari ini pada slide 3, jika tidak cukup, boleh kamu tambahkan slide.  
Recording kelas : [https://youtube.com/live/g\\_QWr0-Sdwo](https://youtube.com/live/g_QWr0-Sdwo)
3. Olah dataset berikut <https://bit.ly/DatasetSCDataPythonJan2025> pada google collab <https://colab.research.google.com/> sesuai dengan arahan dan contoh dari tutor pada saat sesi kelas. Lakukanlah praktek sesuai dengan instruksi dan arahan tutor pada sesi kelas. Screenshot hasil praktek pada google collab dan tambahkan pada slide 4.
4. Uploadlah hasil pekerjaanmu pada template ini di salah satu media sosialmu. Yang di upload boleh berupa file ppt maupun file screenshot dari file ini (kecuali slide 2 - Petunjuk Pengerjaan). Buatlah caption tentang pengalaman belajarmu di MySkill dan, jangan lupa tag myskill.id serta gunakan hashtag #learnatmyskill
5. Link postingan social mediamu bisa kamu input di <https://bit.ly/ClaimSertifSCDataJan2025> maksimal hari **Rabu, 8 Januari 2025 pukul 23.59 WIB**, link tersebut diisi sebagai absen dan sebagai cara kamu untuk mendapatkan sertifikat nantinya (sertifikat maksimal akan dikirim di grup kelas Short Class pada H+7)



MySkill | *#RintisKarirImpian*

Portfolio - Short Class

# Python Introduction

**Owner:** Ika Nurfitriani

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# Course Summary



Poin Belajar	Rangkuman
Python Introduction	Python adalah bahasa pemrograman high-level, berorientasi objek dengan semantik dinamis yang dikembangkan oleh Guido van Rossum. Awalnya dirilis tahun 1991. Python sering digunakan untuk membangun situs web dan perangkat lunak, mengotomatisasi tugas, dan melakukan analisis data.
Python Syntax	Sintaks Python sederhana dan mudah dibaca, dengan indentasi untuk mendefinisikan blok kode.
Common Python Data Structures	List, tuple, set, dan dictionary adalah struktur data umum dalam Python.
Conditional Statement	if statement, if else statement, if elif else statement, dan nested if statement digunakan untuk pengambilan keputusan.
Looping	for dan while digunakan untuk mengulang tugas yang berulang.



# Course Summary



Poin Belajar	Rangkuman
Function	<p>With Return Statement: Fungsi yang menampung operasi logika dan memiliki output yang akan masuk di statement return dimana nilai tersebut akan digunakan di baris kode selanjutnya.</p> <p>No Return Statement (Procedure): Fungsi yang menampung operasi logika dan memiliki output yang akan masuk di statement return dimana nilai tersebut akan digunakan di baris kode selanjutnya.</p>



# Python Practice in Google Collaboration

The screenshot shows a Google Colab notebook with the following content:

```
[38] import pandas as pd

df = pd.read_csv('superstore.csv')

[46] df.head(2)
```

The output of the code is a DataFrame with 21 columns and 2 rows. The columns are: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, Postal Code, Region, Product ID, Category, and Sub-Category. The first two rows of data are:

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	Postal Code	Region	Product ID	Category	Sub-Category
0	1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Henderson	42420	South	FUR-BO-10001798	Furniture Bookcases
1	2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Henderson	42420	South	FUR-CH-10000454	Furniture Chairs

The notebook also shows a status bar at the bottom indicating '0 d selesai pada 14.59'.

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# Python Practice in Google Collaboration

The screenshot shows a Google Colab notebook titled "Mini Task SC Data - Python Introduction (06 Januari 2025)\_IKA NURFITRIANI.ipynb". The left sidebar contains a "Daftar isi" (Table of Contents) with links to "DataTypes in Python", "Common Data Structure", "Conditional Statement", "Loops", "Function", and "Library for Data Science". The main area displays the output of the code `df.tail(4)`, showing the last 4 rows of a DataFrame with 21 columns. The columns are: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, Postal Code, Region, Product ID, Category, and Cat. The data shows four rows of shipping records, all from Costa Mesa, West, with different product categories and dates.

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	Postal Code	Region	Product ID	Category	Cat
9990	9991	CA-2017-121258	2/26/2017	3/3/2017	Standard Class	DB-13060	Dave Brooks	Consumer	United States	Costa Mesa	West	FUR-FU-1000747	Furniture	Furni
9991	9992	CA-2017-121258	2/26/2017	3/3/2017	Standard Class	DB-13060	Dave Brooks	Consumer	United States	Costa Mesa	West	TEC-PH-10003645	Technology	F
9992	9993	CA-2017-121258	2/26/2017	3/3/2017	Standard Class	DB-13060	Dave Brooks	Consumer	United States	Costa Mesa	West	OFF-PA-10004041	Office Supplies	
9993	9994	CA-2017-119914	5/4/2017	5/9/2017	Second Class	CC-12220	Chris Cortes	Consumer	United States	Westminster	West	OFF-AP-10002684	Office Supplies	App

4 rows x 21 columns

The bottom of the notebook shows the code `df.sample(5)` and a status bar indicating "0 d selesai pada 15.00".

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# Python Practice in Google Collaboration

CO Mini Task SC Data - Python Introduction (06 Januari 2025)\_IKA NURFITRIANI.ipynb ☆

File Edit Lihat Sisipkan Runtime Fitur Bantuan Semua perubahan telah disimpan

+ Kode + Teks

RAM Disk Gemini

Daftar isi

- DataTypes in Python
- {x} Common Data Structure
- Conditional Statement
- Loops
- Function
- Library for Data Science

+ Bagian

```
df.sample(5)
```

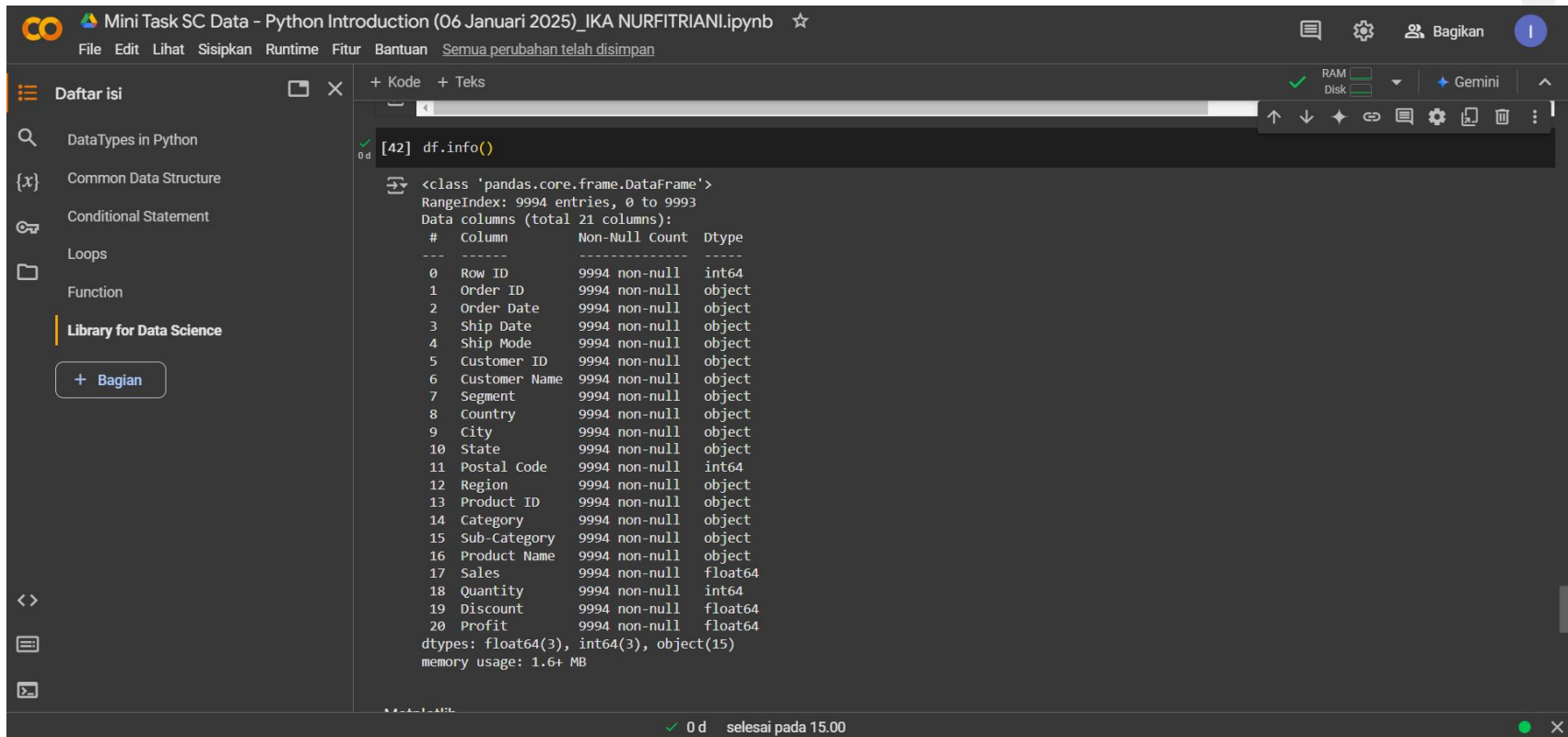
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	Postal Code	Region	Product ID	Category	Sub Category
3340	3341	US-2017-109253	8/21/2017	8/22/2017	First Class	PR-18880	Patrick Ryan	Consumer	United States	Oakland	West	OFF-LA-10001158	Office Supplies	Labels
725	726	CA-2017-144113	9/16/2017	9/20/2017	Standard Class	JF-15355	Jay Fein	Consumer	United States	Austin	Central	OFF-EN-10001141	Office Supplies	Envelopes
2994	2995	CA-2016-112893	9/9/2016	9/13/2016	Second Class	AT-10735	Annie Thurman	Consumer	United States	Stockton	West	OFF-BI-10004654	Office Supplies	Binders
1040	1041	CA-2016-127670	3/20/2016	3/24/2016	Standard Class	RD-19660	Robert Dillbeck	Home Office	United States	Saint Peters	Central	FUR-TA-10001095	Furniture	Tables
6902	6903	CA-2017-111220	9/2/2017	9/8/2017	Standard Class	JS-15595	Jill Stevenson	Corporate	United States	Chicago	Central	OFF-FA-10002280	Office Supplies	Fasteners

5 rows x 21 columns

0 d selesai pada 15.00

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# Python Practice in Google Collaboration



The screenshot shows a Google Colab notebook titled "Mini Task SC Data - Python Introduction (06 Januari 2025)\_IKA NURFITRIANI.ipynb". The left sidebar contains a "Daftar isi" (Table of Contents) with links to various Python topics. The main area displays a code cell with the command `df.info()`. The output shows the structure of a pandas DataFrame with 9994 rows and 21 columns. The columns are: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, State, Postal Code, Region, Product ID, Category, Sub-Category, Product Name, Sales, Quantity, Discount, and Profit. The data types are: int64 for Row ID, Postal Code, and Quantity; object for the remaining columns. The memory usage is 1.6+ MB.

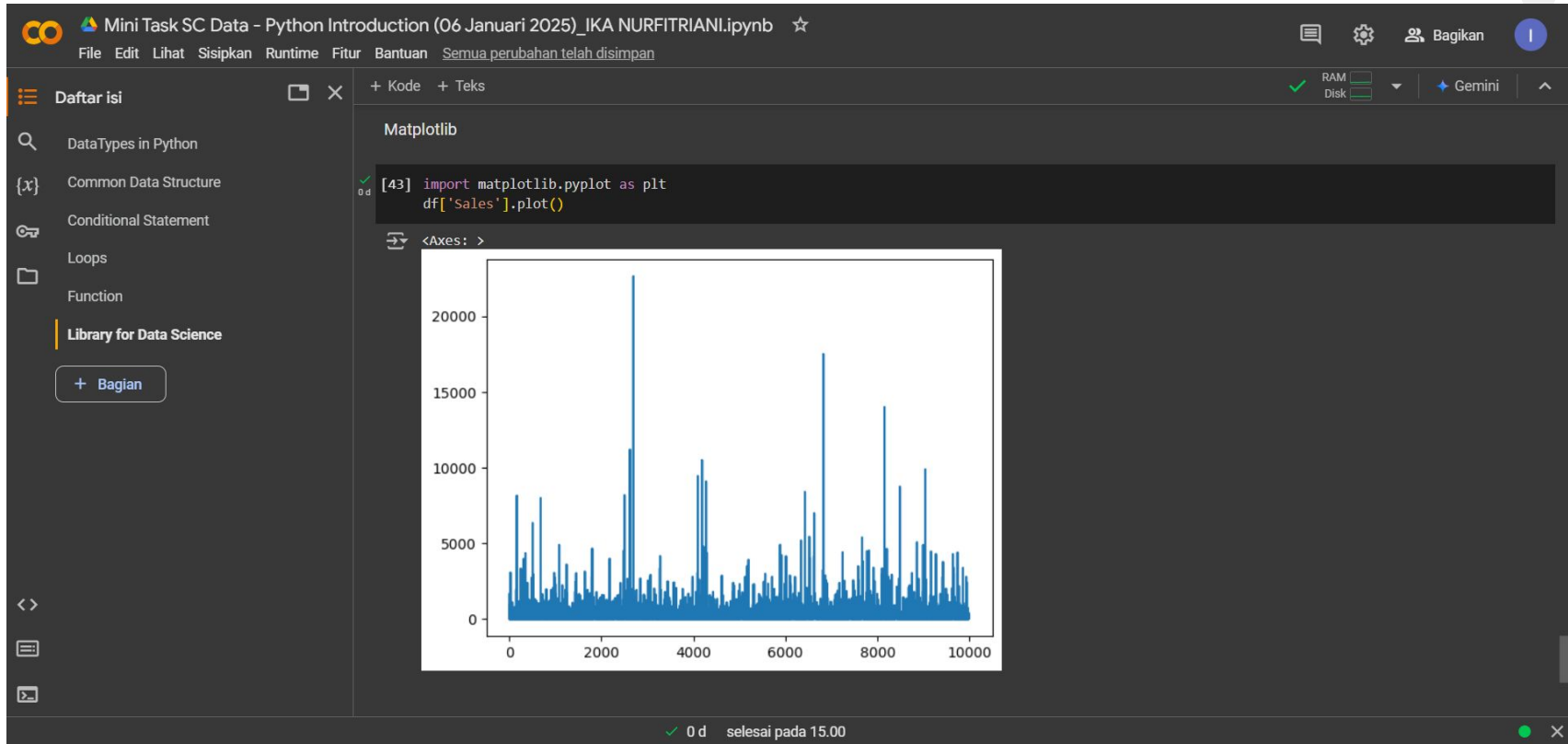
```
[42] df.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 9994 entries, 0 to 9993
Data columns (total 21 columns):
 #   Column        Non-Null Count  Dtype  
---  -
 0   Row ID        9994 non-null   int64   
 1   Order ID      9994 non-null   object  
 2   Order Date    9994 non-null   object  
 3   Ship Date     9994 non-null   object  
 4   Ship Mode     9994 non-null   object  
 5   Customer ID   9994 non-null   object  
 6   Customer Name 9994 non-null   object  
 7   Segment       9994 non-null   object  
 8   Country       9994 non-null   object  
 9   City          9994 non-null   object  
10   State         9994 non-null   object  
11   Postal Code   9994 non-null   int64   
12   Region        9994 non-null   object  
13   Product ID    9994 non-null   object  
14   Category      9994 non-null   object  
15   Sub-Category  9994 non-null   object  
16   Product Name  9994 non-null   object  
17   Sales         9994 non-null   float64  
18   Quantity      9994 non-null   int64   
19   Discount      9994 non-null   float64  
20   Profit        9994 non-null   float64  
dtypes: float64(3), int64(3), object(15)
memory usage: 1.6+ MB
```

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# Python Practice in Google Collaboration



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Short Class Data Science and Data Analysis  
by @myskill.id

