

7 Maret 2022

Dokumentasi Harian

Studi Independen Foundations of AI and Life Skills for Gen-Z

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Flow Control" with the subtitle "Introduction to Programming". The slide is attributed to the "Curriculum Team" and has the code "SN-2-1". The Zoom meeting title bar indicates "Zoom Meeting" and "Recording". The participant list on the right shows 28 participants, including "06_Diki Wahyu Pratama (Me)", "Jumadi - Class J...", "04_Ade Firmansy...", "08_Risma Mufar...", "01_Sarina_Universitas Medan...", "01_Lutfia Anjani", "01_Widiyaningrum", "02_MOKHAMMAD FATIKHUL IK...", "02_Rafli Saviola_Universitas Me...", "02_Rizkiyatul Komariyah_Univer...", "03_Ayu Susanti_Universitas Lam...", "03_Farah_Universitas Muhamm...", "03_Farah_Universitas Muhamm...", and "03_Khadafy Rafsanjani". The bottom of the screen shows a Windows taskbar with various application icons and a system tray with the date and time "8:43 07/03/2022".

Disusun oleh:
Curriculum Team

Kode Materi:
SN-2-1

Flow Control

Introduction to Programming

Python memiliki dua bentuk umum flow control, antara lain:

- Conditionals
- Loops

Proprietary document of Orbit Future Academy, 2022 AI for Gen Z

Zoom Meeting

Recording

Statement

Ketika kita menulis sebuah statement, interpreter akan mengeksekusi statement tersebut.

Dengan kata lain, interpreter akan melakukan aksi apapun yang terkandung di dalam statement. Umumnya, statement tidak memiliki nilai.

Participants (27)

Q Find a participant

- 0W 06_Diki Wahyu Pratama (Me)
- J Jumadi - Class J... (Host)
- 0F 04_Ade Firmansy... (Co-host)
- 0M 08_Risma Mufar... (Co-host)
- 0R 03_Khadafy Rafsanjani
- 0S 01_Sarina_Universitas Medan ...
- 0A 01_Lutfia Anjani
- 0 01_Widiyaningrum
- 0F 02_MOKHAMMAD FATIKHUL IK...
- 0K 02_Rizkiyatul Komariyah_Univer...
- 0S 03_Ayu Susanti_Universitas Lam...
- 0M 03_Farah_Universitas Muhamm...
- 0A 04_Naufal Azzam_UNEJ
- 0R 05_Anisa Rahma_Universitas M...

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AI for Gen Z

Zoom Meeting

Recording

Statement

Statement adalah bagian code yang memiliki efek. Statement dapat didefinisikan juga sebagai bagian code yang mewakili perintah (command) atau tindakan (action). Contoh:

- jarak = 180
- print(jarak)

Participants (27)

Q Find a participant

- 0W 06_Diki Wahyu Pratama (Me)
- J Jumadi - Class J... (Host)
- 0F 04_Ade Firmansy... (Co-host)
- 0M 08_Risma Mufar... (Co-host)
- 0S 01_Sarina_Universitas Medan ...
- 0A 01_Lutfia Anjani
- 0 01_Widiyaningrum
- 0F 02_MOKHAMMAD FATIKHUL IK...
- 0K 02_Rizkiyatul Komariyah_Univer...
- 0S 03_Ayu Susanti_Universitas Lam...
- 0M 03_Farah_Universitas Muhamm...
- 0R 03_Khadafy Rafsanjani
- 0A 04_Naufal Azzam_UNEJ
- 0R 05_Anisa Rahma_Universitas M...

The screenshot shows a Zoom meeting window. At the top, there's a header bar with the Zoom logo and a list of participants: 06_Diki Wahyu..., 05_Inayah Univ..., Ezar Andhika Pu..., and 01_Lutfia Anjani. Below this, a video feed shows a person in a white shirt. The main area of the window displays a code editor with the following Python code:

```
if (class / dev / kondisi)
    nilai=10
else (class / dev / kondisi)
    nilai = 20
print()
```

On the right side, there's a 'Participants (27)' list with a search bar and a list of names with status icons. At the bottom, there's a taskbar with various application icons and a system tray showing the time as 8:55 on 07/03/2022. Below the taskbar, there's a blue banner with the text 'Conditionals' and logos for 'Kampus Merdeka' and 'Orbit Future Academy'.

Conditionals adalah bentuk flow control paling sederhana. Dalam bahasa manusia, conditionals mengikuti syntax:

“Jika kondisi terjadi, maka lakukan sesuatu.
Jika kondisi tidak terjadi, maka lakukan hal lain”

This is a vertical screenshot of a Zoom meeting window. It shows a video feed of a person in a white shirt at the top. Below the video feed, there's a list of participants: 06_Diki Wahyu..., 05_Inayah Univ..., and Ezar Andhika Pu... Each name is followed by a status icon.

Zoom Meeting

Jumadi - Class J... 06_Diki Wahyu... 06_Maulidia Nu... 04_Naufal Azza... 08_Risma Mufar... 08_Shela Yunita

Recording

```
5 # 3. aksinya
6
7 nama = input("Siapa nama anda? ")
8
9 # program sebelumnya
10 # if kondisi: aksi
11 # program selanjutnya
12
13 # 1. program if inline
14 if nama=="ucup" : print("Kamu Ganteng abieeee!!!")
15 # print(f"Terima kasih {nama}")
16
17 # 2. program if indentation
18
19 if nama=="ucup":
20     print("kamu ganteng abieeee!")
21     print("kamu juga keren banget!")
22 print(f"Terima kasih {nama}")
23
```

faqihza@kelas terbuka ~/Episode 21 - If dan Else Statement

Python 3.8.10 (tags v3.8.10: python 3.8.10)

Zoom Meeting

Jumadi - Class J... 06_Diki Wahyu... Ezar Andhika Pu... 06_Maulidia Nu... 04_Naufal Azza... 08_Risma Mufar...

Recording

If-elif-else statement

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Pada **if-elif-else statement**, juga terdapat eksekusi alternatif.

Statement ini bisa memiliki lebih dari dua kemungkinan. Sama halnya dengan if-else statement, condition akan menentukan kemungkinan mana yang akan dieksekusi oleh Python.

Bedanya, if-elif-else statement dapat memiliki lebih dari satu condition.

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9:37 07/03/2022

Zoom Meeting

You are viewing Jumadi - Class JumaTec's screen

Jumadi - Class J... 06_Diki Wahyu... Ezar Andhika Pu... 06_Maulidia Nu... 04_Naufal Azza... 08_Risma Mufar...

SN-2-1 Flow Control.ipynb

File Edit View Insert Runtime Tools Help Changes will not be saved

while loops

while loops merupakan jenis loops yang mengulang eksekusi block of code tertentu ketika suatu kondisi terpenuhi (condition bernilai True). Iterasi akan terus dilakukan sampai condition bernilai False.

```
[ ] condition = True

while condition:
    print('Block of Code dieksekusi')
    condition = False
```

Prinsip kerja while loops:

```
[ ] val = 0

while val < 10:
```

Salinan dari SN-2-1 Flow Control.ipynb

File Edit Lihat Sisipkan Runtime Fitur Bantuan Menyimpan...

+ Kode + Teks

```
for kolom in range(1, data.shape[1]):
    print(kolom, end=' ')

7 1 9 8 6 5 2 4 3
```

Atau, menggunakan nested loops dan function range().

```
[ ] data = np.array([[7, 1, 9],
                    [8, 6, 5],
                    [2, 4, 3]])

for i in range(0, data.shape[0]): # shape[0] = jumlah baris
    for j in range(0, data.shape[1]): # shape[1] = jumlah kolom
        print(data[i, j], end=' ')

data = np.array([[7, 1, 9],
                [8, 6, 5],
                [2, 4, 3]])


for i in range(0, data.shape[0]):
```

check 0 d selesai pada 12.50

12:51 07/03/2022

Zoom Meeting

Recording

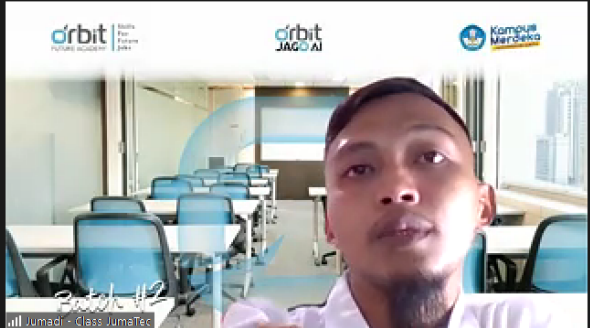


Sesi III

Big Data

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Kampus Merdeka

Batch #2

Jumadi - Class JumaTec

Windows taskbar: 14:14, 07/03/2022

Zoom Meeting

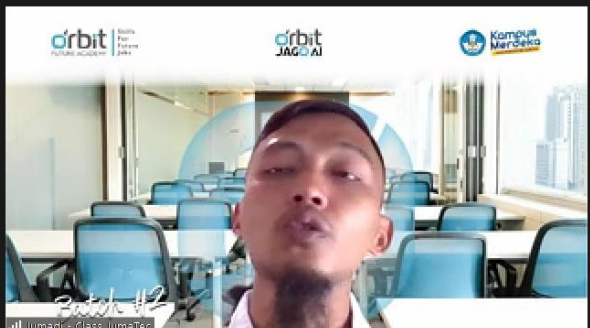
Recording

Data Sebelum Era Data

- Data diinput secara manual
- Berbentuk tabular
- Data lebih terstruktur
- Ukuran data kecil
- Pertumbuhan data lambat

Data Sesudah Era Data

- Data dibuat oleh user
- Bentuknya beragam
- Data tidak terstruktur
- Ukuran data besar
- Pertumbuhan data cepat



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Kampus Merdeka

Batch #2

Jumadi - Class JumaTec

Windows taskbar: 14:20, 07/03/2022

Browser tabs: MARI MEMPERKUAT, Teman | Facebook, Class jumatec - Google Drive, Nonton Shingeki no Kyojin, Dikiwp30/Studi-Independen

github.com/Dikiwp30/Studi-Independen

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main 1 branch 0 tags

Go to file Add file Code

Dikiwp30	Delete Latihan Python.py	0296947 3 hours ago 8 commits
Latihan Python	Delete Latihan Python.py	3 hours ago
Diki_Wahyu_P_SN_2_1_Flow_Controli...	Dibuat menggunakan Colaboratory	4 hours ago
README.md	Initial commit	4 hours ago

README.md

Studi-Independen

About

No description, website, or topics provided.

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1 watching

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github.com/Dikiwp30/Studi-Independen/blob/main/Diki_Wahyu_P_SN_2_1_Flow_Control.ipynb

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main Studi-Independen / Diki_Wahyu_P_SN_2_1_Flow_Control.ipynb

Go to file ...

Dikiwp30 Dibuat menggunakan Colaboratory

Latest commit a5bba1e 4 hours ago History

1 contributor

1.34 MB

Download

Open in Colab

SN-2-1 Flow Control

Eksekusi program oleh interpreter dapat dianalogikan seperti air, yakni mengalir dari atas ke bawah.

