

*program*  
**DATA SCIENCE**

BY @ABELKRISTANTO

# CLASS PROGRAM 1

3/6/22

7/6/22

9/6/22

## PYTHON PRO BEGINNER

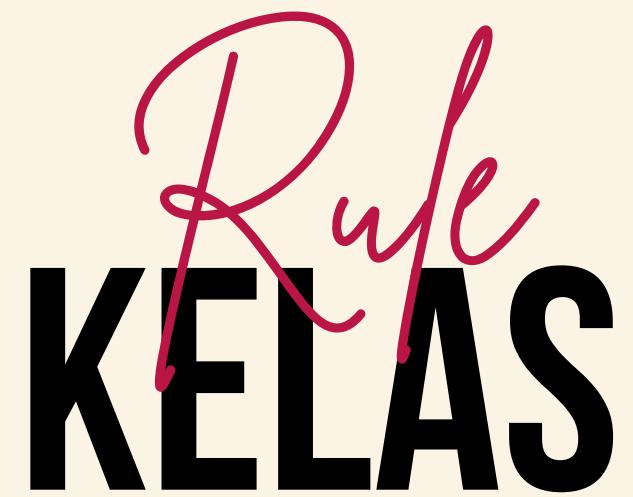
Disini kita akan mempelajari dasar pengolahan dengan python

## SQL SELECT & GROUP

Disini kita akan mempelajari dasar penggunaan SQL dalam database

## RECAP

Disini kita akan mengadakan diskusi terkait pembelajaran yang dilakukan sebelumnya



*Rule*  
**KELAS**

Selama kelas diharapkan memenuhi kriteria berikut ini sebelum mulai!

---

**ACTIVE**

**FEEL FREE TO ASK**

**CALM AND LEARN**

*welcome to*  
**SQL SELECT & GROUP**

Disini kita akan mempelajari pemahaman dasar tentang SQL dan bagaimana  
menggunakannya

# ~~Table of~~ **CONTENT**

Disini kita akan mempelajari pemahaman dasar tentang SQL dan bagaimana menggunakan

**STRUKTUR**

**SISTEM DATABASE**

**SELECT OPERATOR**

**FILTERING**

**FUNCTION**

**AGGREGATE**

## INTERMEZZO

# LOCAL

1. Install Anaconda, jika sudah klik Anancoda Prompt dibuka as administrator
2. Ketikan berikut ini dihalaman prompt dengan update pip dengan:

```
python -m pip install --upgrade pip
```

4. Install jupyter notebook:

```
python -m pip install jupyter
```

5. Buka dengan mengetikan:

```
jupyter notebook
```

# ONLINE

Jika kamu ingin akses secara online untuk pembelajaran python dapat melalui link dibawah ini ya!

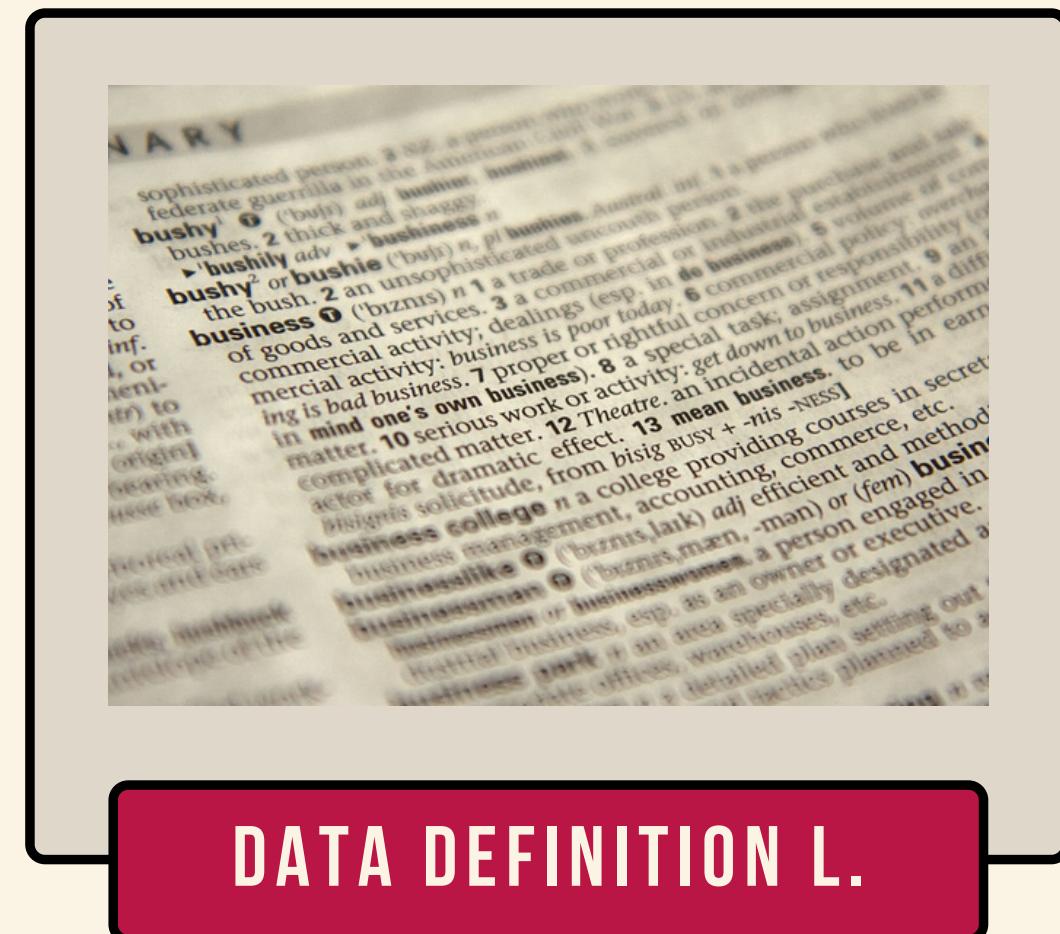
[BIT.LY / BELAJARBERSAMAKOHKRIS](https://bit.ly/belajarbersamakohkris)

# SQL



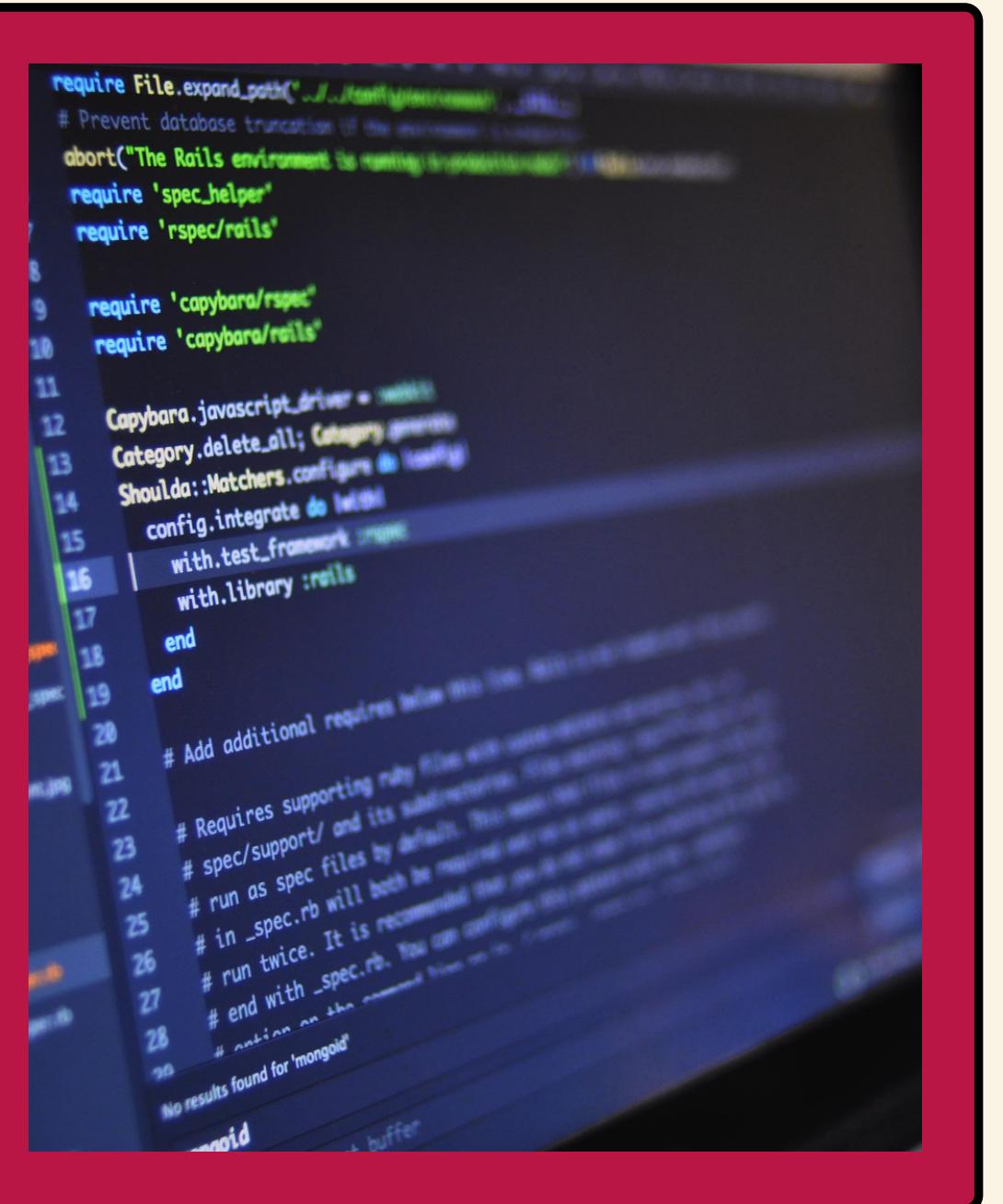
# Bahasa pemrograman untuk pengolahan Database Management System

# TYPE OF INTERACTION



# RDBMS

Membuat, Memperbarui, dan  
Mengelola suatu basis data  
relasional (Relational Database)



```
require File.expand_path("../spec_helper", __FILE__)
# Prevent database truncation if the environment is testing.
abort("The Rails environment is running in production mode") if Rails.env == "production"
require 'spec_helper'
require 'rspec/rails'

require 'capybara/rspec'
require 'capybara/rails'

Capybara.javascript_driver = :webkit
Category.delete_all; Category.create!(name: "Test")
Shoulda::Matchers.configure do |config|
  config.integrate do |with|
    with.test_framework :rspec
    with.library :rails
  end
end

# Add additional requires below this line if you need them.

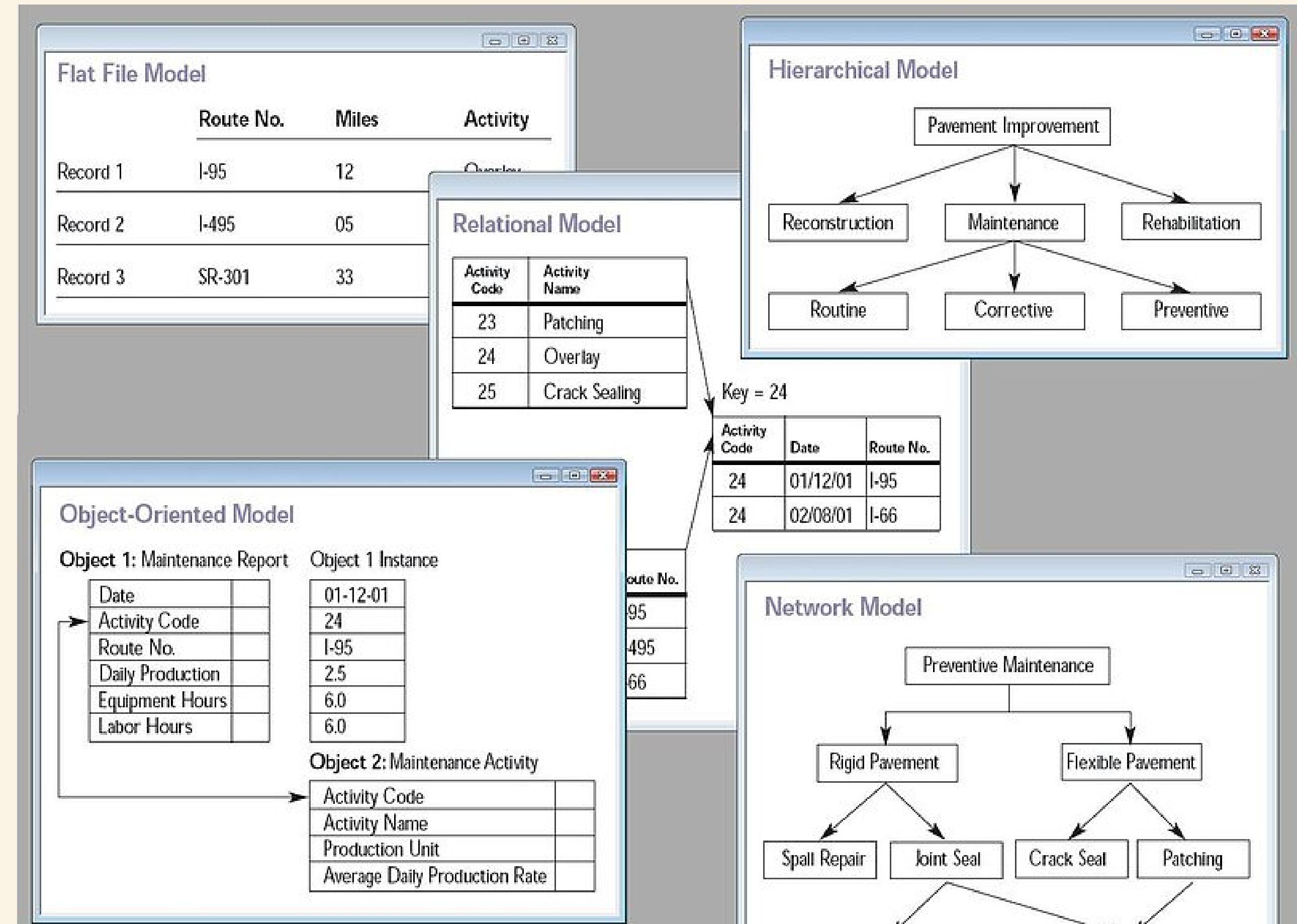
# Requires supporting ruby files with custom matchers and helpers
# run as spec files by default. You can also make them available
# in your spec files by default. The following line would be
# in_spec.rb will both be required and available. It is recommended
# to keep it like this to keep the dependency explicit.
# require 'spec_helper'

# run twice. It is recommended to use this option in all specs
# end with _spec.rb. You can use multiple times if needed.
# run_twice

# run on the command line.
# ./script/spec spec/models
```

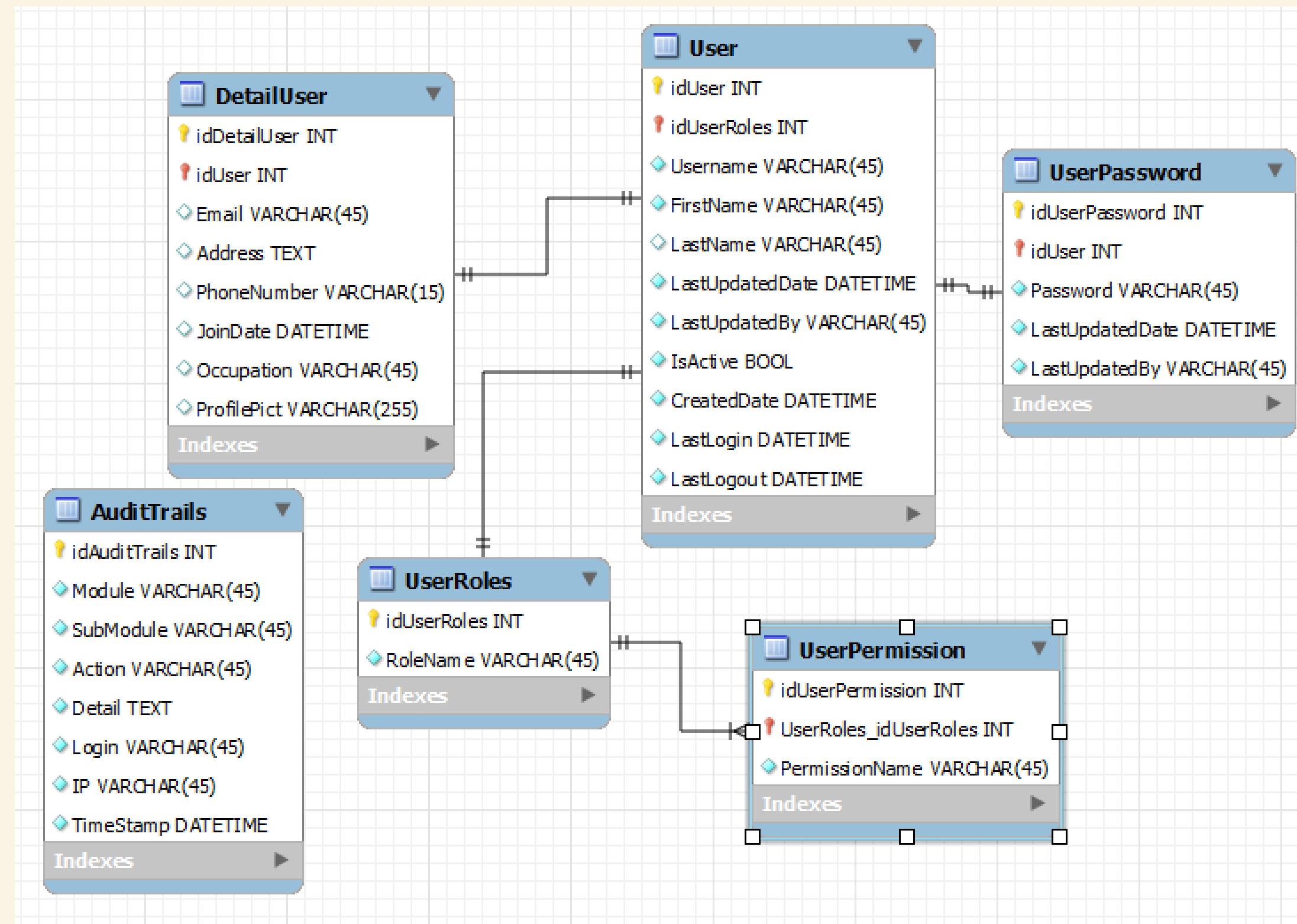


# FGA KOMINFO 2022



@abelkristanto

# FGA KOMINFO 2022



@abelkristanto

# HIERARKI RDBMS

Database Terminologies

Inventory List

Inventory ID	Name	Unit Price	Quantity in Stock	Inventory Value	Quantity in Reorder
IN0001	Item 1	\$31.00	25	\$1,275.00	50
IN0002	Item 2	\$93.00	132	\$12,276.00	50
IN0003	Item 3	\$37.00	151	\$8,607.00	150
IN0004	Item 4	\$19.00	186	\$3,534.00	50
IN0005	Item 5	\$75.00	62	\$4,650.00	50

Fields

Record

Data

## INTERMEZZO

# DO'NT

Menjalankan praktik dalam environment DQLAB, namun sesuaikan dengan soal yang diperhadapkan.

# DO

Silahkan melakukan instalasi di dalam environment python untuk mengenal dan menggunakan sql dalam python

```
!PIP INSTALL PSYCOPG2
```

*learning*  
**BY DOING**