

Pengolahan Citra

# **Install python, IDE, opencv, menampilkan gambar**

**Dosen Pengampu**

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TAHUN AKADEMIK 2021/2022**

## 1. Install python

```
Select Command Prompt - python

C:\Users\fazan>python
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

## 2. Install text editor



## 3. Install opencv menggunakan pip

```
Administrator: Command Prompt - python

C:\WINDOWS\system32>python
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>> print(cv2.__version__)
4.5.5
>>> _
```

## 4. Menampilkan gambar

### Sorce Code

```
import numpy as np
import cv2
from matplotlib import pyplot as plt
import matplotlib.image as mpimg
import time
from array import *

def load_image():
    img = cv2.imread('img/spongebob1.png')
    frame_resize = rescaleFrame(img, scale=5)
    cv2.imshow('arsip', img)
    cv2.imshow('arsip resize', frame_resize)
    cv2.waitKey(0)
    return

load_image()
```

## Output Source Code

