

Computer vision in the new era of Artificial Intelligence and Deep Learning

Visión por computador en la nueva era de la Inteligencia Artificial y el Deep Learning

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Google Colab



Explore, execute and see the output of external Python scripts



explore and execute external scripts in colab.ipynb



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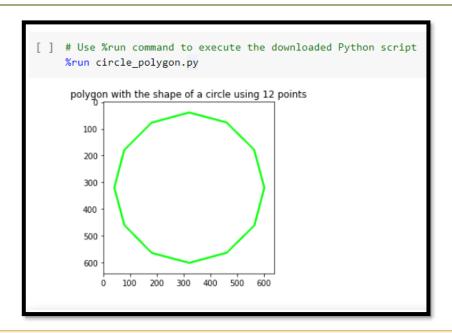


%run IPython Magic Command

Python Magic Command %run can be used to execute other Python scripts

!wget https://raw.githubusercontent.com/PacktPublishing/Mastering-OpenCV4-with-Python/master/Chapter04/02-exercices/circle polygon.py

Use %run command to execute the downloaded Python script %run circle polygon.py



Download and execute scripts (programmatically)

```
import requests
def download and execute file(fname, url, params="", execute=True, show content=
False):
  # Download and write the file:
  r = requests.get(url)
  open(fname , 'wb').write(r.content)
  # Show the content of the script if required:
  if show content:
   print("\n")
   with open(fname, 'r') as testwritefile:
      print(testwritefile.read())
   print("\n")
  # Execute the script if required:
  if execute:
    execution = "run " + fname + " " + params
    ipy = get ipython()
    ipy.magic(execution)
```

Download and execute scripts (programmatically)

```
fname = 'constant.py'
url = "https://raw.githubusercontent.com/PacktPublishing/Mastering-OpenCV-4-with-
Python/master/Chapter04/01-chapter-content/constant.py"

download_and_execute_file(fname, url, params="", execute=False, show_content=False)

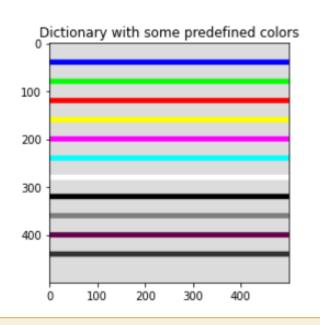
fname = 'testing_colors.py'
url = "https://raw.githubusercontent.com/PacktPublishing/Mastering-OpenCV-4-with-
Python/master/Chapter04/01-chapter-content/testing_colors.py"

download and execute file(fname, url, params="", execute=True, show content=True)
```

testing_colors.py requires constant.py file. Therefore:

- Download the file constants.py
- Download and execute testing_colors.py

For more examples see the accompanying notebook



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