

UNIVERSIDAD AUTONOMA DE BAJA CALIFORNIA
FACULTAD DE INGENIERIA, ARQUITECTURA Y DISEÑO
INGENIERIA EN SOFTWARE Y TECNOLOGIAS EMERGENTES



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GRUPO: 932

MATERIA: Lenguaje C

MAESTRA: Yulith Vanessa Altamirano Flores

TITULO:
Instalación de OpenCV

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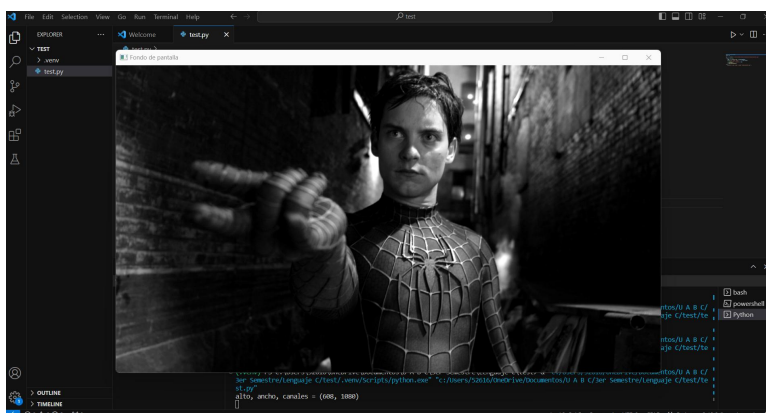
CÓDIGO EMPLEADO:

```
test.py > ...
1  # pylint: disable=E0401
2  import cv2
3
4  img = cv2.imread(r'C:\\Users\\52616\\OneDrive\\Documentos\\tobeyatspiderman.jpg')
5
6  if img is not None:
7      img2 = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)
8      print("alto, ancho, canales = " + str(img2.shape))
9
10     cv2.imshow('Fondo de pantalla', img2)
11     cv2.waitKey(0)
12     cv2.destroyAllWindows()
13 else:
14     print("No se pudo cargar la imagen 'tobeyatspiderman.jpg'")
```

IMAGEN IMPORTADA:



RESULTADO DEL CODIGO:



CÓDIGO EMPLEADO EN GIT BASH:

● Instalación de OpenCV

```
52616@LAPTOP-Tere MINGW64 ~/OneDrive/Documentos/U A B C/3er Semestre/Lenguaje C/test
$ pip install opencv-python
Collecting opencv-python
  Downloading opencv_python-4.8.1.78-cp37-abi3-win_amd64.whl.metadata (20 kB)
Collecting numpy>=1.21.2 (from opencv-python)
  Downloading numpy-1.26.1-cp311-cp311-win_amd64.whl.metadata (61 kB)
    61.2/61.2 kB 1.1 MB/s eta 0:00:00
  Downloading opencv_python-4.8.1.78-cp37-abi3-win_amd64.whl (38.1 MB)
    38.1/38.1 MB 6.7 MB/s eta 0:00:00
  Downloading numpy-1.26.1-cp311-cp311-win_amd64.whl (15.8 MB)
    15.8/15.8 MB 6.5 MB/s eta 0:00:00
Installing collected packages: numpy, opencv-python
WARNING: The script f2py.exe is installed in 'C:\Users\52616\AppData\Local\Packages\PythonSoftwareFoundation.Python.3.11_qbz5n2kfra8p0\LocalCache\local-packages\Python311\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed numpy-1.26.1 opencv-python-4.8.1.78
```

● Instalación de paquete adicional para OpenCV

```
52616@LAPTOP-Tere MINGW64 ~/OneDrive/Documentos/U A B C/3er Semestre/Lenguaje C/test
$ pip install opencv-contrib-python
Collecting opencv-contrib-python
  Downloading opencv_contrib_python-4.8.1.78-cp37-abi3-win_amd64.whl.metadata (20 kB)
Requirement already satisfied: numpy>=1.21.2 in c:\users\52616\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n2kfra8p0\localcache\local-packages\python311\site-packages (from opencv-contrib-python) (1.26.1)
  Downloading opencv_contrib_python-4.8.1.78-cp37-abi3-win_amd64.whl (44.8 MB)
    44.8/44.8 MB 6.1 MB/s eta 0:00:00
Installing collected packages: opencv-contrib-python
Successfully installed opencv-contrib-python-4.8.1.78
```

● Comprobar

```
52616@LAPTOP-Tere MINGW64 ~/OneDrive/Documentos/U A B C/3er Semestre/Lenguaje C/test
$ pip list
Package            Version
-----
distlib             0.3.7
filelock            3.13.0
numpy               1.26.1
opencv-contrib-python 4.8.1.78
pip                 23.3.1
platformdirs        3.11.0
virtualenv           20.24.6
virtualenvwrapper-win 1.2.7
(.venv)
```