

The output for finding the similarity of pictures.

```
main.py x
D:\project3\venv\Scripts\python.exe D:/project3/main.py
please upload your picture by png or jpg type
yove picture has samiliarity of : 67.44%of the online pictures

Process finished with exit code 0
```

If it is not png or jpg image file

```
fp = builtins.open(filename, "rb")
FileNotFoundError: [Errno 2] No such file or directory: 'C:\\Users\\chenm\\OneDrive
No muching type of picture
```

The output for similarity and finding text or numbers in pictures. (It is possible the ORC cannot read the blurry messages.)

```
~/sp$ please upload your picture by png or jpg type.
Your picture has samiliarity of : 91.6% of the onlin
e pictures.
YOSEMITE
NATIONAL
PARK
```

```
~/sp$ please upload your picture by png or jpg type.
Your picture has samiliarity of : 91.6% of the onlin
e pictures.
The ORC is Fail to match
Cannot find any number/message in pictures.
```

The output for find location part:(use training model, the test& train data is required to test the result)

1	35.4894	66.6641	Asia, YuHu Street
2	36.7289	68.857	Asia, Cannot Find
3	41.8119	20.0589	American, Yosemite National Park

```
Neuron: Pacific
Correct: 99.59032258064516 %
True Positives: 0.0 %
True Negatives: 99.59032258064516 %
False Positives: 0.0 %
False Negatives: 0.40967741935483876 %
Neuron: Yosemite National Park
Correct: 91.61322709673162 %
True Positives: 0.0 %
True Negatives: 91.61322709673162 %
False Positives: 0.0 %
False Negatives: 1.2838709677419357 %
```

Use the web to find the correct detail lat&lon for this picture's location

```
~/S-project-for-location$ python3 location.py
37.84054795
-119.51658779802511
```

All the weblink for the projects:

Picture web:

<https://www.pexels.com>

Map web:

<https://nominatim.openstreetmap.org/ui/search.html?q=Yosemite+National+Park>

OCR web:

<https://www.liangchan.net/liangchan/11545.html>

Study Web:

[What is OCR \(Optical Character Recognition\): How it works & Application | Simplilearn](#)

[44 OCR Sample Code | ProgrammableWeb](#)

[\(19条消息\) 图片OCR \(Optical Character Recognition \) _蓝色枫魂的博客-CSDN博客](#)

[Models of Training Employees: Steps, Transitional and Instructional System Development Model \(yourarticlelibrary.com\)](#)

[Hash Map in Python - GeeksforGeeks](#)

[OpenCV Image Histograms \(cv2.calcHist \) - PyImageSearch](#)

[Python OpenCV | cv2.cvtColor\(\) method - GeeksforGeeks](#)