

Readme:

The interpreter of the code is Python 3.7 64 bit

For running the code, the libraries imported are

os

math

numpy

time

PIL

Please make sure to install these libraries properly in your running environment.

For the directories of the training and testing data set, you need to modify them under the section **Read in the training set and testing set**. Please be careful to use `\\` for separating folders of different classes but not `.`.

```
#####  
# Read in the training set and testing set  
#####  
time_start=time.time()  
train_face, train_nonface, test_face, test_nonface \  
= read_png('C:\\Users\\dong\\Desktop\\New folder (2)\\trainset\\faces', \  
           'C:\\Users\\dong\\Desktop\\New folder (2)\\trainset\\nonfaces', \  
           'C:\\Users\\dong\\Desktop\\New folder (2)\\testset\\faces', \  
           'C:\\Users\\dong\\Desktop\\New folder (2)\\testset\\non-faces', \  
           sub_img_size)
```

After these steps, you can run the program by running the file **main.py**.