Training Result:

A close up of a logo

Description automatically generated

First test Abe Shinzo:

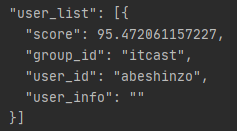
Picture registered

:

picture matching-using another Abe Shinzo:

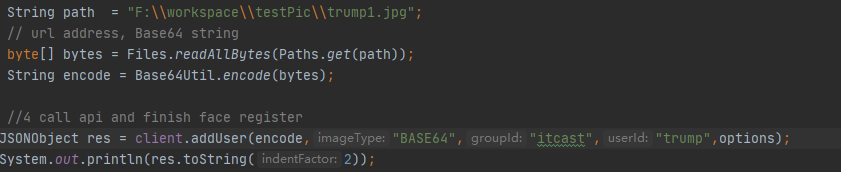


Test result screen shot:



The score shows the similarity of the two pictures, the user id is the label of the registered picture that the picture matched to. The classifier can find the one with the highest score and output its user\_id so can determine which face in the repository is the test picture belong to.

Lets register another face:



Now we mark the user id trump and upload a trump picture which is :



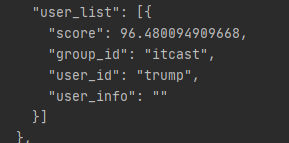


The error message is success and error code is 0 which means the picture is registered successfully.

Lets try a trump’s picture:

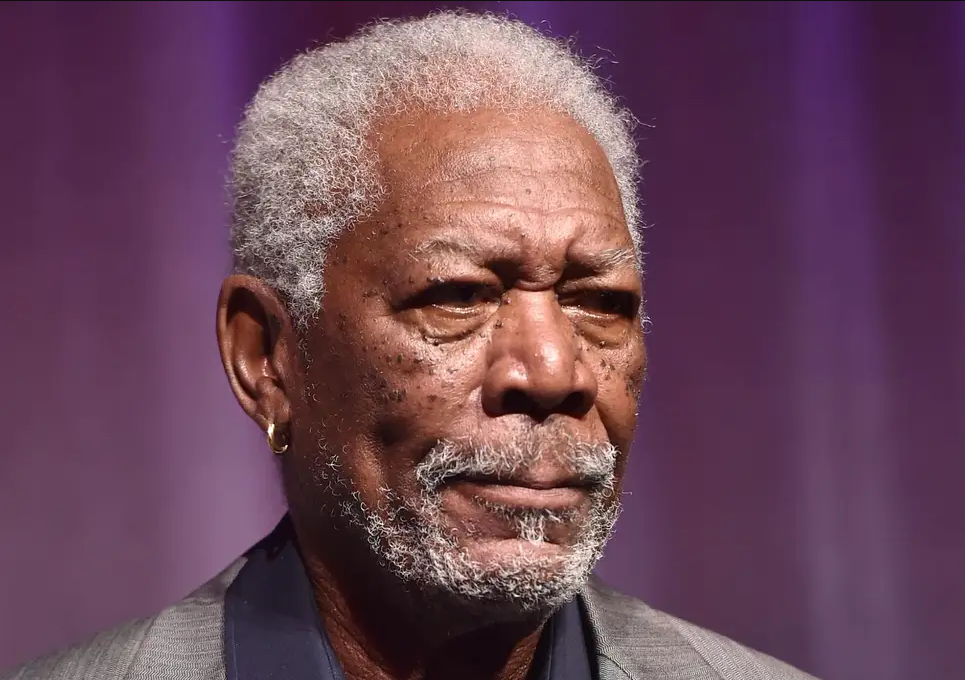


The result is :



Which means it matches trump and the score is 96.48.

Lets try something different, if we use a different guys picture like:



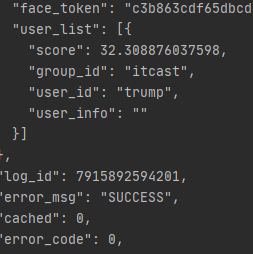
Morgan Freeman:

1st lets do the face detection to see if there is a face in the picture:



This means there is 1 face in the picture

And if we run it in the face search module



It’s score is 32.3, and the label is trump, so the score of AbeShinzo is even lower., which also means the Morgan Freeman looks more similar to Donald Trump than AbeShinzo.

Lets register Morgan and Orlando to the system.

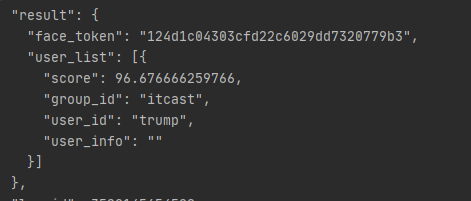


And do 4 test for this 4 person,

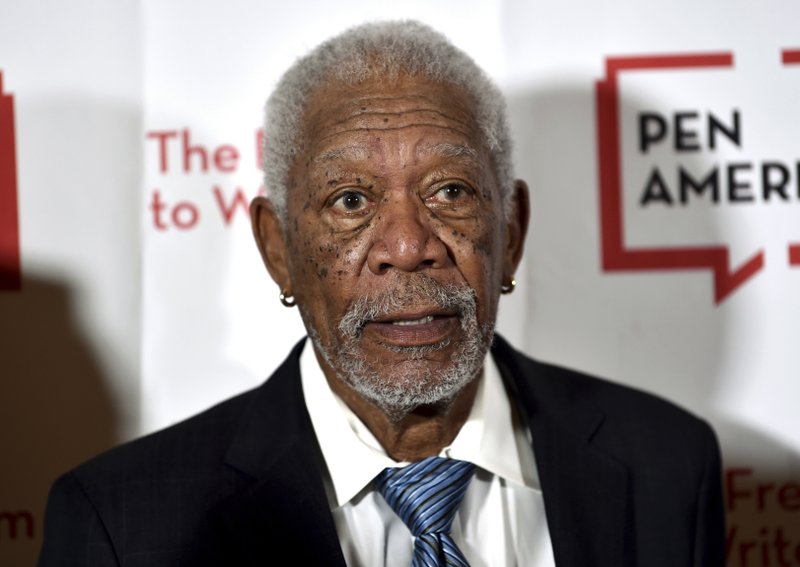
First is trump:



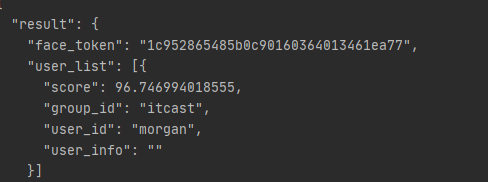
Result:



Second is Morgan:



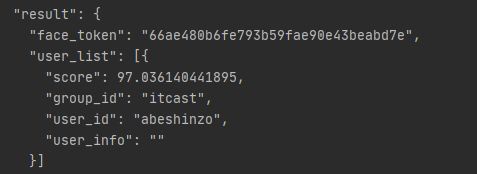
Result:



Third lets do Abe Shinzo:



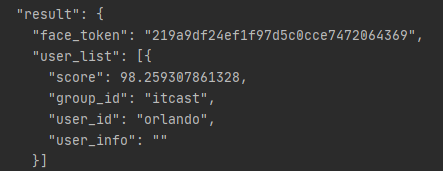
Result:



Last is Orlando:



Result:

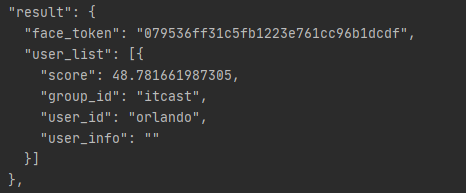


All four person has been successfully matched , and if we want to check a new person’s score in this system, lets take Obama,

Obama:



Result:



the classifier labeled it with Orlando which is unexpectedly, due to the picture is not in the repository, the score 48.7 is correct.