6. Upload an image of yourself *or* another individual to the images directory and encode and add it to the database mentioned in the notebook.

These are the new images



derik.jpg



camrera_6.jpg

```
[46] database = {}
    database["danielle"] = img to encoding("images/danielle.png", FRmodel)
    database["younes"] = img to encoding("images/younes.jpg", FRmodel)
    database["tian"] = img to encoding("images/tian.jpg", FRmodel)
    database["andrew"] = img to encoding("images/andrew.jpg", FRmodel)
    database["kian"] = img to encoding("images/kian.jpg", FRmodel)
    database["dan"] = img to encoding("images/dan.jpg", FRmodel)
    database["sebastiano"] = img to encoding("images/sebastiano.jpg", FRmodel)
    database["bertrand"] = img to encoding("images/bertrand.jpg", FRmodel)
    database["kevin"] = img to encoding("images/kevin.jpg", FRmodel)
    database["felix"] = img to encoding("images/felix.jpg", FRmodel)
    database["arnaud"] = img to encoding("images/benoit.jpg", FRmodel)
    database["derik"] = img to encoding("images/arnaud.jpg", FRmodel)
    database["derik"] = img to encoding("images/derik.jpg", FRmodel)
```

7. Instead of the image of Younes, use another image of the same individual you chose in step 6 to do *both* face verification and face recognition.



face verification

```
[51] output = who_is_it("images/camera_6.jpg", database, FRmodel)

it's derik, the distance is 0.0
```

face recognition

8. Add the two new images and screenshots of outputs from *both* face verification and face recognition of step 7 to a word file.

```
[52] #dictionary contains the L2 distance between target image encoding and database embeddings of other images output[2]

Ty {'danielle': np.float32(1.2450246), 'younes': np.float32(1.08511222), 'tian': np.float32(1.0837747), 'andrew': np.float32(1.0837747), 'kian': np.float32(0.94143385), 'dan': np.float32(0.94143385), 'bertrand': np.float32(0.92597663), 'bertrand': np.float32(0.9082358), 'felix': np.float32(0.9082358), 'felix': np.float32(0.9082551), 'arnaud': np.float32(0.9875081), 'derik': np.float32(0.9875081), 'derik': np.float32(0.0)}
```

screenshot of 'output[2]'