## Code snippet:

```
BOARDING FACE KEY = "b85edfafcf874244823556a92604731b"
BOARDING FACE ENDPOINT =
"https://kai-boardingfaceservicel.cognitiveservices.azure.com/"
boarding face client = FaceClient(BOARDING FACE ENDPOINT,
CognitiveServicesCredentials(BOARDING FACE KEY))
PERSON GROUP ID = str(uuid.uuid4())
person group name = 'boarding-customers'
## This code is taken from Azure Face SDK
def build person group(client, person group id, pgp name):
   print('Create and build a person group...')
alphanumeric, and/or with '-', ''.
   print('Person group ID:', person group id)
   client.person group.create(person group id = person group id,
name=person group id)
   human person = client.person group person.create(person group id,
pgp name)
   human face images = [file for file in glob.glob('*.jpg') if
file.startswith("human-face")]
    for image p in human face images:
       with open(image p, 'rb') as w:
client.person group person.add face from stream(person group id,
human person.person id, w)
added to it.
   client.person group.train(person group id)
   while (True):
```

```
training status =
client.person group.get training status(person group id)
        print("Training status: {}.".format(training status.status))
        if (training_status.status is TrainingStatusType.succeeded):
        elif (training status.status is TrainingStatusType.failed):
            client.person group.delete(person group id=PERSON GROUP ID)
            sys.exit('Training the person group has failed.')
        time.sleep(5)
build person group(boarding face client, PERSON GROUP ID,
person group name)
Detect all faces in query image list, then add their face IDs to a new
. . .
def detect faces(client, query images list):
   print('Detecting faces in query images list...')
dictionary
    for image name in query images list:
        image = open(image_name, 'rb') # BufferedReader
       print("Opening image: ", image.name)
       time.sleep(5)
        faces = client.face.detect with stream(image)
        for face in faces:
            print('Face ID', face.face id, 'found in image',
os.path.splitext(image.name)[0]+'.jpg')
            face ids[image.name] = face.face id
```

## Code screen-shot:



