# FaceAPI V2

This code checks if the response from the API contain any face detection, if yes it will parse the response and extract the emotions, otherwise it will give a proper feedback.

Please make sure to use the correct endpoint and subscription\_key for your Azure Face API instance, and use the appropriate image path when testing the function.

Also, as a reminder, this code should be thoroughly tested and audited for security and performance before deployment.

# FaceAPI V3

This code uses the "returnFaceAttributes" and "returnFaceId" parameters to return additional information about the faces detected in the image, such as facial landmarks, head pose, gender, age, etc.

Please make sure to use the correct endpoint and subscription\_key for your Azure Face API instance, and use the appropriate image path when testing the function. As the response will contain a lot of information, you can extract the desired information by parsing the response\_json accordingly.

Also, as a reminder, this code should be thoroughly tested and audited for security and performance before deployment.

In addition, please note that the Azure Face API also supports face recognition, which allows you to compare a face in an image with a set of known faces, and determine whether the face in the image is a match. To perform face recognition, you would need to create a face group, and add the known faces to the group. Then you can use the "identify" API method to identify a face in an image by comparing it to the faces in the group.

# FaceAPI V4

# FaceAPI V5

This code will extract the faceIds from the response of the face detection API and use them to call the group API endpoint. Then it parses the response to extract the groups of similar faces, where each group contains an array of face IDs that belong to the same person.

Please note that that what I have coded is just an example, it is very broad and not actually specific to my end goal and the actual implementation might require some adjustments based on my specific use case, but overall, it’s a step towards my finishing line. If someone else wished to us this they must, make sure to replace the headers and endpoint with your their own subscription key and endpoint, and test it with the correct image path that they themselves desire.