# Transcribing a Non-English Language using OpenAI Whisper API

## Exercise Overview:

In this exercise, we will use \*\*OpenAI's Whisper API\*\* to transcribe an audio file (`audio.m4a`) that contains speech in Portuguese.  
The Whisper model is designed for \*\*multilingual speech-to-text transcription and translation\*\*.

## Instructions:

1. Open the `audio.m4a` file.

2. Create a transcription request to the OpenAI Audio endpoint.

3. Extract and print the transcript text from the `response`.

## Corrected Python Code:

from openai import OpenAI  
  
# Initialize OpenAI Client  
client = OpenAI(api\_key="<OPENAI\_API\_TOKEN>")  
  
# Open the audio.m4a file  
with open("audio.m4a", "rb") as audio\_file:  
 # Create a transcript from the audio file  
 response = client.audio.transcriptions.create(  
 model="whisper-1",  
 file=audio\_file  
 )  
  
# Extract and print the transcript text  
print(response.text)

## Explanation of the Fix:

1. \*\*Initializing OpenAI Client:\*\* The `OpenAI` client is initialized using a valid API key.  
2. \*\*Opening the Audio File:\*\* The file `audio.m4a` is opened in \*\*binary mode\*\* (`rb`).  
3. \*\*Sending the Transcription Request:\*\* The audio file is sent to OpenAI's `whisper-1` model for multilingual transcription.  
4. \*\*Extracting the Transcript:\*\* The transcribed text is extracted from the `response` and printed.