# Creating a Podcast Transcript using OpenAI Whisper API

## Exercise Overview:

In this exercise, we will use \*\*OpenAI's Whisper API\*\* to transcribe an audio file (`openai-audio.mp3`).  
The Whisper model is designed for \*\*speech-to-text transcription and translation\*\*.  
We will create a transcript from an \*\*OpenAI Developer podcast\*\* episode.

## Instructions:

1. Open the `openai-audio.mp3` 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 openai-audio.mp3 file  
with open("openai-audio.mp3", "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 `openai-audio.mp3` is opened in binary mode (`rb`).  
3. \*\*Sending the Transcription Request:\*\* The audio file is sent to OpenAI's `whisper-1` model for transcription.  
4. \*\*Extracting the Transcript:\*\* The transcribed text is extracted from the `response` and printed.