Voice-to-Text script:

- Automates transcription of trending podcast episodes using OpenAl's Whisper ASR.
- Fetches trending episodes from Podcast Index (based on recent engagement, not just listens).
- Downloads audio and transcribes to text, saving results as JSON files.

Whisper ASR

- Converts audio waveforms to text transcripts.
- Model sizes: tiny (fast, less accurate), base (balanced), up to large (slowest, most accurate).
- Runs locally, no API needed
- Online APIs (e.g., AssemblyAI) are faster and more accurate but have free usage limits.

Inputs & Outputs

- Inputs:
 - top_podcasts.json podcast metadata (title, description, id, author)
 - o top episodes.json episodes with audio url, podcast, episode title
- Outputs:
 - Audio files saved in audio/
 - Transcripts saved in transcripts/ as JSON

Process flow

- 1. Fetch trending podcast episodes list (engagement-based).
- 2. Download episode audio if not already saved (using yt-dlp).
- 3. Convert audio and transcribe with Whisper.
- 4. Save transcript as JSON.
- 5. Skip episodes if the transcript already exists.