**Problems Faced**

1. **ModuleNotFoundError: No module named 'transformers':**
   * **Resolution:** Ensured the virtual environment was activated and installed the transformers library.
2. **Unknown task 'conversational':**
   * **Resolution:** Switched to using the text-generation task with the GPT-2 model for text generation.
3. **Empty JSON Response:**
   * **Resolution:** Updated the endpoint to use jsonify for returning JSON responses and added logging to track request handling.
4. **JSONDecodeError in Test Script:**
   * **Resolution:** Enhanced the test script to handle potential errors and print the response for debugging.