

LAB#4

SPEECH RECOGNITION AND SPEECH GENERATION

I. OBJECTIVE

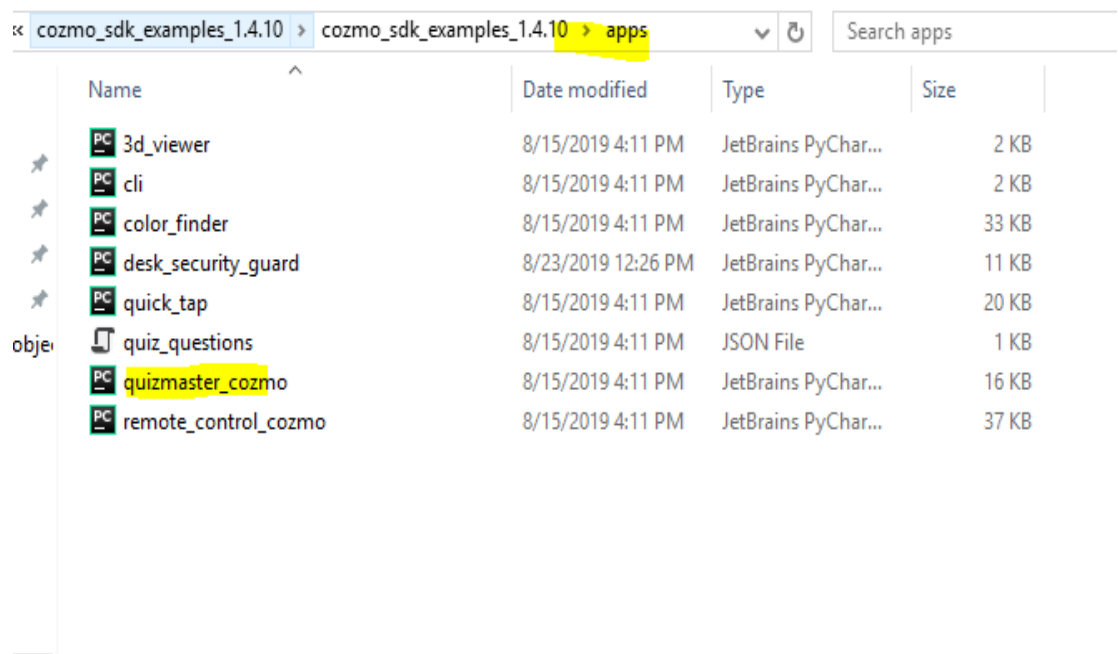
Introduction to speech generation or speech synthesis which is the artificial production of speech from text as an application of AI using Cozmo.

II. PRE-LAB EXERCISES

Watch the video on speech generation and speech recognition [here](#).

III. LAB EXERCISE

1. Connect Cozmo in SDK mode
2. Navigate to 'apps' folder in the downloaded examples and execute the quizmaster_cozmo python script in command prompt



3. Open the python script in IDE of your choice, and analyze the source code with your group
4. Come up with 4 quiz questions and integrate them into the code.
5. Execute and demonstrate the program with the changes

IV. LAB OUTCOME

Have an understanding of speech recognition and speech generation capabilities powered by AI. Be able to analyze the python code and come up with a personalized set of quiz questions.