Coqui-ai TTS library => https://github.com/coqui-ai/TTS

A deep learning toolkit for Text-to-speech conversion.

Requirements: (Windows)

Python version--3.8

pip

espeak-ng

Steps to run the library: (Windows)

Step 1: create a python virtual env

python -m venv.

Step 2: Activate the venv

cd Scripts

./activate

C:\Users\ahema\Desktop>cd TTS

C:\Users\ahema\Desktop\TTS>cd Scripts

C:\Users\ahema\Desktop\TTS\Scripts> .\activate

C:\Users\ahema\Desktop\TTS\Scripts> .\activate

(TTS) C:\Users\ahema\Desktop\TTS\Scripts>python --version
Python 3.8.10

Step 3: update the wheel

pip list, pip install pip setuptools wheel -U

Step-4: Install TTS library

pip install TTS==0.8.0

Step-5: Install pyworld

pip install pyworld==0.3.0

Step-6: check TTS installation

tts-server --list_models

```
TITS) C:\Users\ahema\Deskitop\TTS\Scripts+tts-server --list_models
Name format: type/language/dataset/model
1: tts_models/multilingual/multi-dataset/model
1: tts_models/multilingual/multi-dataset/model
1: tts_models/sen/lispeech/tacetron2-DDC [already downloaded]
1: tts_models/en/lispeech/tacetron2-DDC [already downloaded]
1: tts_models/en/lispeech/tacetron2-DDC [already downloaded]
1: tts_models/en/lispeech/speedy-speech
1: tts_models/en/lispeech/speedy-speech
1: tts_models/en/lispeech/speedy-speech
1: tts_models/en/lispeech/speedy-speech
1: tts_models/en/lispeech/sts_flaready downloaded]
1: tts_models/en/lispeech/sts_tcheh
1: tts_models/en/lispeech/stacetron2-DDC [already downloaded]
1: tts_models/en/lispeech/stacetron2-DDC
```

play with the library:

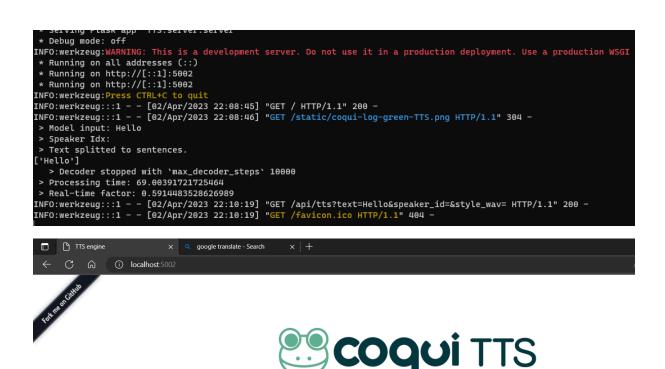
converts the text to audio using the default model

tts --text "Hello world"

```
sample_rate:22050
  > resample:False
  > num_mels:80
  > log_func:np.log
  > min_level_db:-100
  > frame_shift_ms:None
  > frame_length_ms:None
  > ref_level_db:20
  > fft_size:1024
  > power:1.5
 > preemphasis:0.0
 > griffin_lim_iters:60
 | > signal_norm:False
 | > symmetric_norm:True
 | > mel_fmin:0
 | > mel_fmax:8000.0
 | > pitch_fmin:0.0
 | > pitch_fmax:640.0
 | > spec_gain:1.0
 | > stft_pad_mode:reflect
 | > max_norm:4.0
 | > clip_norm:True
 | > do_trim_silence:False
 | > trim_db:60
 | > do_sound_norm:False
 | > do_amp_to_db_linear:True
 | > do_amp_to_db_mel:True
 | > do_rms_norm:False
 | > db_level:None
 | > stats_path:None
 | > base:2.718281828459045
| > hop_length:256
| > win_length:1024
> Generator Model: hifigan_generator
> Discriminator Model: hifigan_discriminator
Removing weight norm...
> Text: Hello
> Text splitted to sentences.
['Hello']
  > Decoder stopped with 'max_decoder_steps' 10000
> Processing time: 71.12636113166809
> Real-time factor: 0.6096403049698672
> Saving output to tts_output.wav
```

creates a local web interface to interact and convert the text to audio tts-server --model_name tts_models/en/ljspeech/tacotron2-DDC





Hello

Speak

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