

```
1 !pip install torch
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: torch in /usr/local/lib/python3.10/dist-packages (2.0.1+cu118)
Requirement already satisfied: filelock in /usr/local/lib/python3.10/dist-packages (from torch) (3.12.0)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.10/dist-packages (from torch) (4.5.0)
Requirement already satisfied: sympy in /usr/local/lib/python3.10/dist-packages (from torch) (1.11.1)
Requirement already satisfied: networkx in /usr/local/lib/python3.10/dist-packages (from torch) (3.1)
Requirement already satisfied: jinja2 in /usr/local/lib/python3.10/dist-packages (from torch) (3.1.2)
Requirement already satisfied: triton==2.0.0 in /usr/local/lib/python3.10/dist-packages (from torch) (2.0.0)
Requirement already satisfied: cmake in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->torch) (3.25.2)
Requirement already satisfied: lit in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->torch) (16.0.5)
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from jinja2->torch) (2.1.2)
Requirement already satisfied: mpmath>=0.19 in /usr/local/lib/python3.10/dist-packages (from sympy->torch) (1.3.0)
```

```
1 !pip install --upgrade torch
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Requirement already satisfied: torch in /usr/local/lib/python3.10/dist-packages (2.0.1+cu118)
Requirement already satisfied: filelock in /usr/local/lib/python3.10/dist-packages (from torch) (3.12.0)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.10/dist-packages (from torch) (4.5.0)
Requirement already satisfied: sympy in /usr/local/lib/python3.10/dist-packages (from torch) (1.11.1)
Requirement already satisfied: networkx in /usr/local/lib/python3.10/dist-packages (from torch) (3.1)
Requirement already satisfied: jinja2 in /usr/local/lib/python3.10/dist-packages (from torch) (3.1.2)
Requirement already satisfied: triton==2.0.0 in /usr/local/lib/python3.10/dist-packages (from torch) (2.0.0)
Requirement already satisfied: cmake in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->torch) (3.25.2)
Requirement already satisfied: lit in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->torch) (16.0.5)
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from jinja2->torch) (2.1.2)
Requirement already satisfied: mpmath>=0.19 in /usr/local/lib/python3.10/dist-packages (from sympy->torch) (1.3.0)
```

```
1
```

```
1 !pip install pytube
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting pytube
  Downloading pytube-15.0.0-py3-none-any.whl (57 kB)
    

---

57.6/57.6 kB 2.2 MB/s eta 0:00:00
```

Installing collected packages: pytube
Successfully installed pytube-15.0.0

```
1 !pip install git+https://github.com/openai/whisper.git
```

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/simple/>
Collecting git+<https://github.com/openai/whisper.git>
 Cloning <https://github.com/openai/whisper.git> to /tmp/pip-req-build-z7m_jtv8
 Running command git clone --filter=blob:none --quiet <https://github.com/openai/whisper.git> /tmp/pip-req-build-z7m_jt
 Resolved <https://github.com/openai/whisper.git> to commit 248b6cb124225dd263bb9bd32d060b6517e067f8
 Installing build dependencies ... done
 Getting requirements to build wheel ... done
 Preparing metadata (pyproject.toml) ... done
Requirement already satisfied: triton==2.0.0 in /usr/local/lib/python3.10/dist-packages (from openai-whisper==20230314)
Requirement already satisfied: numba in /usr/local/lib/python3.10/dist-packages (from openai-whisper==20230314) (0.56.
Requirement already satisfied: numpy in /usr/local/lib/python3.10/dist-packages (from openai-whisper==20230314) (1.22.
Requirement already satisfied: torch in /usr/local/lib/python3.10/dist-packages (from openai-whisper==20230314) (2.0.1
Requirement already satisfied: tqdm in /usr/local/lib/python3.10/dist-packages (from openai-whisper==20230314) (4.65.0
Requirement already satisfied: more-itertools in /usr/local/lib/python3.10/dist-packages (from openai-whisper==2023031
Collecting tiktoken==0.3.3 (from openai-whisper==20230314)
 Downloading tiktoken-0.3.3-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (1.7 MB)

1.7/1.7 MB 18.6 MB/s eta 0:00:00
Requirement already satisfied: regex>=2022.1.18 in /usr/local/lib/python3.10/dist-packages (from tiktoken==0.3.3->open
Requirement already satisfied: requests>=2.26.0 in /usr/local/lib/python3.10/dist-packages (from tiktoken==0.3.3->open
Requirement already satisfied: cmake in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->openai-whisper==2
Requirement already satisfied: filelock in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->openai-whisper
Requirement already satisfied: lit in /usr/local/lib/python3.10/dist-packages (from triton==2.0.0->openai-whisper==202
Requirement already satisfied: llvmlite<0.40,>=0.39.0dev0 in /usr/local/lib/python3.10/dist-packages (from numba->open
Requirement already satisfied: setuptools in /usr/local/lib/python3.10/dist-packages (from numba->openai-whisper==2023
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.10/dist-packages (from torch->openai-whispe
Requirement already satisfied: sympy in /usr/local/lib/python3.10/dist-packages (from torch->openai-whisper==20230314)
Requirement already satisfied: networkx in /usr/local/lib/python3.10/dist-packages (from torch->openai-whisper==202303
Requirement already satisfied: Jinja2 in /usr/local/lib/python3.10/dist-packages (from torch->openai-whisper==20230314
Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->t
Requirement already satisfied: charset-normalizer~2.0.0 in /usr/local/lib/python3.10/dist-packages (from requests>=2.
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests>=2.26.0->tiktoke
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.10/dist-packages (from Jinja2->torch->openai-
Requirement already satisfied: mpmath>=0.19 in /usr/local/lib/python3.10/dist-packages (from sympy->torch->openai-whis
Building wheels for collected packages: openai-whisper
 Building wheel for openai-whisper (pyproject.toml) ... done

Created wheel for openai-whisper: filename=openai_whisper-20230314-py3-none-any.whl size=798075 sha256=204e84bccadff
Stored in directory: /tmp/pip-ephem-wheel-cache-bhx57h5v/wheels/8b/6c/d0/622666868c179f156cf595c8b6f06f88bc5d80c4b31
Successfully built openai-whisper
Installing collected packages: tiktoken, openai-whisper
Successfully installed openai-whisper-20230314 tiktoken-0.3.3

```
1 !pip install git+https://github.com/librosa/librosa
```

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/simple/>

Collecting git+<https://github.com/librosa/librosa>

Cloning <https://github.com/librosa/librosa> to /tmp/pip-req-build-mcdru2y2

Running command git clone --filter=blob:none --quiet <https://github.com/librosa/librosa> /tmp/pip-req-build-mcdru2y2

Resolved <https://github.com/librosa/librosa> to commit f21bda6b9fd7d9f1276749862247a6daf59e792d

Running command git submodule update --init --recursive -q

Installing build dependencies ... done

Getting requirements to build wheel ... done

Preparing metadata (pyproject.toml) ... done

Requirement already satisfied: audioread>=2.1.9 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0)

Requirement already satisfied: numpy!=1.22.0,!=1.22.1,!=1.22.2,>=1.20.3 in /usr/local/lib/python3.10/dist-packages (fr

Requirement already satisfied: scipy>=1.2.0 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0) (1.

Requirement already satisfied: scikit-learn>=0.20.0 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.d

Requirement already satisfied: joblib>=0.14 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0) (1.

Requirement already satisfied: decorator>=4.3.0 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0)

Requirement already satisfied: numba>=0.51.0 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0) (0

Requirement already satisfied: soundfile>=0.12.1 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0

Requirement already satisfied: pooch<1.7,>=1.0 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0)

Requirement already satisfied: soxr>=0.3.2 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0) (0.3

Requirement already satisfied: typing-extensions>=4.1.1 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10

Requirement already satisfied: lazy-loader>=0.1 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0)

Requirement already satisfied: msgpack>=1.0 in /usr/local/lib/python3.10/dist-packages (from librosa==0.10.1.dev0) (1.

Requirement already satisfied: llvmlite<0.40,>=0.39.0dev0 in /usr/local/lib/python3.10/dist-packages (from numba>=0.51

Requirement already satisfied: setuptools in /usr/local/lib/python3.10/dist-packages (from numba>=0.51.0->librosa==0.1

Requirement already satisfied: appdirs>=1.3.0 in /usr/local/lib/python3.10/dist-packages (from pooch<1.7,>=1.0->libros

Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.10/dist-packages (from pooch<1.7,>=1.0->libro

Requirement already satisfied: requests>=2.19.0 in /usr/local/lib/python3.10/dist-packages (from pooch<1.7,>=1.0->libr

Requirement already satisfied: threadpoolctl>=2.0.0 in /usr/local/lib/python3.10/dist-packages (from scikit-learn>=0.2

Requirement already satisfied: cffi>=1.0 in /usr/local/lib/python3.10/dist-packages (from soundfile>=0.12.1->librosa==

Requirement already satisfied: pycparser in /usr/local/lib/python3.10/dist-packages (from cffi>=1.0->soundfile>=0.12.1

Requirement already satisfied: urllib3<1.27,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests>=2.19.0

Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests>=2.19.0->p

Requirement already satisfied: charset-normalizer~=2.0.0 in /usr/local/lib/python3.10/dist-packages (from requests>=2.19.0->pooch<1.0.0)

Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests>=2.19.0->pooch<1.0.0)

Building wheels for collected packages: librosa

Building wheel for librosa (pyproject.toml) ... done

Created wheel for librosa: filename=librosa-0.10.1.dev0-py3-none-any.whl size=253639 sha256=bc35091ad22e59dfb173ad33

Stored in directory: /tmp/pip-ephem-wheel-cache-wjlbv99t/wheels/5c/43/66/f66524e75e492d320bfa038662c2fcc9e8aeddacbb4

Successfully built librosa

Installing collected packages: librosa

Attempting uninstall: librosa

Found existing installation: librosa 0.10.0.post2

Uninstalling librosa-0.10.0.post2:

Successfully uninstalled librosa-0.10.0.post2

Successfully installed librosa-0.10.1.dev0

1 !pip install ibm_watson

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/simple/>

Collecting ibm_watson

Downloading ibm-watson-7.0.0.tar.gz (389 kB)

389.1/389.1 kB 5.6 MB/s eta 0:00:00

Installing build dependencies ... done

Getting requirements to build wheel ... done

Preparing metadata (pyproject.toml) ... done

Requirement already satisfied: requests<3.0,>=2.0 in /usr/local/lib/python3.10/dist-packages (from ibm_watson) (2.27.1)

Requirement already satisfied: python-dateutil>=2.5.3 in /usr/local/lib/python3.10/dist-packages (from ibm_watson) (2.8.2)

Collecting websocket-client==1.1.0 (from ibm_watson)

Downloading websocket_client-1.1.0-py2.py3-none-any.whl (68 kB)

68.7/68.7 kB 7.9 MB/s eta 0:00:00

Collecting ibm-cloud-sdk-core==3.*,>=3.3.6 (from ibm_watson)

Downloading ibm-cloud-sdk-core-3.16.6.tar.gz (52 kB)

52.3/52.3 kB 5.3 MB/s eta 0:00:00

Installing build dependencies ... done

Getting requirements to build wheel ... done

Preparing metadata (pyproject.toml) ... done

Collecting requests<3.0,>=2.0 (from ibm_watson)

Downloading requests-2.31.0-py3-none-any.whl (62 kB)

62.6/62.6 kB 7.0 MB/s eta 0:00:00

Requirement already satisfied: urllib3<2.0.0,>=1.26.0 in /usr/local/lib/python3.10/dist-packages (from ibm-cloud-sdk-core==3.*,>=3.3.6->ibm_watson) (1.26.15)

Collecting PyJWT<3.0.0,>=2.4.0 (from ibm-cloud-sdk-core==3.*,>=3.3.6->ibm_watson)

Downloading PyJWT-2.7.0-py3-none-any.whl (22 kB)

```
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.10/dist-packages (from python-dateutil>=2.5.3->ibm_watson)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests<3.0,>=2.0->ibm_watson)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests<3.0,>=2.0->ibm_watson)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests<3.0,>=2.0->ibm_watson)
Building wheels for collected packages: ibm_watson, ibm-cloud-sdk-core
  Building wheel for ibm_watson (pyproject.toml) ... done
  Created wheel for ibm_watson: filename=ibm_watson-7.0.0-py3-none-any.whl size=389778 sha256=0608088881899697add2207b
  Stored in directory: /root/.cache/pip/wheels/b8/c3/c1/0e35cd88e7305131fabfc503b615b0675ad255a639a5b49a79
  Building wheel for ibm-cloud-sdk-core (pyproject.toml) ... done
  Created wheel for ibm-cloud-sdk-core: filename=ibm_cloud_sdk_core-3.16.6-py3-none-any.whl size=85617 sha256=86328d86
  Stored in directory: /root/.cache/pip/wheels/f6/e0/86/3c208de335284083a8c026fa723660e772a2dfc83cc2c6213a
Successfully built ibm_watson ibm-cloud-sdk-core
Installing collected packages: websocket-client, requests, PyJWT, ibm-cloud-sdk-core, ibm_watson
  Attempting uninstall: websocket-client
    Found existing installation: websocket-client 1.5.1
    Uninstalling websocket-client-1.5.1:
      Successfully uninstalled websocket-client-1.5.1
  Attempting uninstall: requests
    Found existing installation: requests 2.27.1
    Uninstalling requests-2.27.1:
      Successfully uninstalled requests-2.27.1
ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behavior is currently
google-colab 1.0.0 requires requests==2.27.1, but you have requests 2.31.0 which is incompatible.
Successfully installed PyJWT-2.7.0 ibm-cloud-sdk-core-3.16.6 ibm_watson-7.0.0 requests-2.31.0 websocket-client-1.1.0
```

```
1 #Importing required libraries
```

```
1 import torch
```

```
1
2 import whisper
```

```
1 import pytube
```

```
1 import librosa
```

```
1 import matplotlib.pyplot as plt
```

```
1 import numpy as np
```

```
1 !pip install Ipython
```

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/simple/>

Requirement already satisfied: Ipython in /usr/local/lib/python3.10/dist-packages (7.34.0)

Requirement already satisfied: setuptools>=18.5 in /usr/local/lib/python3.10/dist-packages (from Ipython) (67.7.2)

Collecting jedi>=0.16 (from Ipython)

Downloading jedi-0.18.2-py2.py3-none-any.whl (1.6 MB)

 1.6/1.6 MB 18.2 MB/s eta 0:00:00

Requirement already satisfied: decorator in /usr/local/lib/python3.10/dist-packages (from Ipython) (4.4.2)

Requirement already satisfied: pickleshare in /usr/local/lib/python3.10/dist-packages (from Ipython) (0.7.5)

Requirement already satisfied: traitlets>=4.2 in /usr/local/lib/python3.10/dist-packages (from Ipython) (5.7.1)

Requirement already satisfied: prompt-toolkit!=3.0.0,!3.0.1,<3.1.0,>=2.0.0 in /usr/local/lib/python3.10/dist-packages

Requirement already satisfied: pygments in /usr/local/lib/python3.10/dist-packages (from Ipython) (2.14.0)

Requirement already satisfied: backcall in /usr/local/lib/python3.10/dist-packages (from Ipython) (0.2.0)

Requirement already satisfied: matplotlib-inline in /usr/local/lib/python3.10/dist-packages (from Ipython) (0.1.6)

Requirement already satisfied: pexpect>4.3 in /usr/local/lib/python3.10/dist-packages (from Ipython) (4.8.0)

Requirement already satisfied: parso<0.9.0,>=0.8.0 in /usr/local/lib/python3.10/dist-packages (from jedi>=0.16->Ipytho

Requirement already satisfied: ptyprocess>=0.5 in /usr/local/lib/python3.10/dist-packages (from pexpect>4.3->Ipython)

Requirement already satisfied: wcwidth in /usr/local/lib/python3.10/dist-packages (from prompt-toolkit!=3.0.0,!3.0.1,

Installing collected packages: jedi

Successfully installed jedi-0.18.2

```
1 import IPython.display as ipd
```

```
1 from ibm_watson import SpeechToTextV1
```

```
1 import json
```

```
1 from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
```

```
1 model_m = whisper.load_model("medium")
```

```
100%|████████████████████████████████████████| 1.42G/1.42G [00:16<00:00, 94.2MiB/s]
```

```
1 file_path = "https://www.youtube.com/watch?v=MyNSOu-F1-k"
```

```
1 audio_1 = whisper.load_audio(file_path)
```

```
2 audio_1
```



```
-----
CalledProcessError                                Traceback (most recent call last)
/usr/local/lib/python3.10/dist-packages/whisper/audio.py in load_audio(file, sr)
    58     try:
----> 59         out = run(cmd, capture_output=True, check=True).stdout
    60     except CalledProcessError as e:
```

⬆ 2 frames

```
CalledProcessError: Command '['ffmpeg', '-nostdin', '-threads', '0', '-i', 'https://www.youtube.com/watch?v=MyNSOu-Fl-k', '-f', 's16le', '-ac', '1', '-acodec', 'pcm_s16le', '-ar', '16000', '-']' returned non-zero exit status 1.
```

The above exception was the direct cause of the following exception:

```
1 file_path = 'https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-GPXX0EPMEN/20220627_140242.mp4'
```

```
   /usr/local/lib/python3.10/dist-packages/whisper/audio.py in load_audio(file, sr)
```

```
1 audio_1 = whisper.load_audio(file_path)
```

```
2 audio_1
```

```
array([ 0.          ,  0.          ,  0.          , ...,  0.01696777,
        -0.01504517,  0.01229858], dtype=float32)
```

```
RuntimeError: Failed to load audio: ffmpeg version 4.2.7-0ubuntu0.1 Copyright (c) 2000-2022 the FFmpeg
```

```
1 T = 35
```

```
configuration: --prefix=/usr --extra-version=0ubuntu0.1 --toolchain=hardened --libdir=/usr/lib/x86_64-linux-
```

```
1 n_samples = audio_1.shape[0]
```

```
2 n_samples
```

```
559445
```

```
libpulse --enable-libsvg --enable-librubberband --enable-libshine --enable-libsnappy --enable-libsoxr --enable-
```

```
1 delta = T/n_samples
```

```
2 delta
```

```
6.25620034140979e-05
```

```
libavutil 56. 31.100 / 56. 31.100
```

```
1 Fs = 1/delta
```

```
2 Fs
```


15984.142857142857

| | | | | | |
|----------------|---|-------|---|---|-------|
| Libsuno sample | 2 | € 100 | / | 2 | € 100 |
|----------------|---|-------|---|---|-------|

```
1 time = np.linspace(0, (n_samples)*delta, n_samples)
```

2 time

```
array([0.00000000e+00, 6.25621152e-05, 1.25124230e-04, ...,
       3.49998749e+01, 3.49999374e+01, 3.50000000e+01])
```

```
1 plt.title('Signal')
2 plt.plot(time, audio_1)
3 plt.ylabel('amplitude')
4 plt.xlabel('seconds')
5 plt.show()
```

Signal

```
1 audio = whisper.pad_or_trim(audio_1)
```



```
1 n_samples = audio.shape[-1]
```

```
2 time = np.linspace(0, (n_samples-1)*delta, n_samples)
```



```
1 plt.plot(time, audio)
```

```
2
```



```
3 plt.ylabel('amplitude')
```

```
4 plt.xlabel('seconds')
```

```
5 plt.title('Signal')
```

```
6 plt.show()
```

Signal

```
1 # A mel spectrogram

1 mel = whisper.log_mel_spectrogram(audio).to(model_m.device)

1 fig, (ax1, ax2) = plt.subplots(2)
2 fig.tight_layout(pad=5.0)
3 ax1.plot(time, audio)
4 ax1.set_title('Signal')
5 ax1.set_xlabel('Time, seconds')
6 ax1.set_ylabel('Amplitude')
7 ax2.imshow((mel.numpy()*mel.numpy())**(1/2), interpolation='nearest', aspect='auto')
8 ax2.set_title('Mel Spectrogram of a Signal')
9 ax2.set_xlabel('Time, seconds')
10 ax2.set_ylabel('Mel Scale')
```

```
Text(42.72222222222214, 0.5, 'Mel Scale')
```

Signal

```
1 # Language detection
```



```
1 sr = 22050
```



```
1 ipd.Audio(audio, rate= sr)
```

0:00 / 0:21



```
1 probs = model_m.detect_language(mel)
```



```
1 print(item for item in probs.items()[0:10])
```

```
-----  
AttributeError                                Traceback (most recent call last)  
<ipython-input-60-05ae93d15fc1> in <cell line: 1>()  
----> 1 print(item for item in probs.items()[0:10])
```

```
AttributeError: 'tuple' object has no attribute 'items'
```

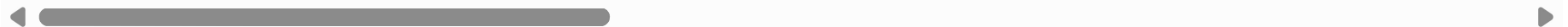
SEARCH STACK OVERFLOW

```
1 options = whisper.DecodingOptions(fp16 = False)
```

```
2 result = whisper.decode(model_m, mel, options)
```

```
1 print(result.text)
```

Question number five. Machine learning technologies are constantly evolving and advancing. Does this affect me day to



```
1 #transcription
```

```
1 translation = model_m.transcribe(file_path, language = 'fr', fp16 = False)["text"]
```

```
1 transcription = model_m.transcribe(file_path, fp16 = False)["text"]
```

```
1
```

```
1 video_url = "https://www.youtube.com/watch?v=MyNSOu-F1-k"  
2 data = pytube.YouTube(video_url)
```

```
1
```

```
1 speech = data.streams.get_audio_only()  
2 audio_file=speech.download()  
3 print("audio file path:",audio_file)
```

```
    audio file path: /content/Sri Ramachandra Kripalu Vande Guru Paramparaam Sooryagayathri.mp4
```

```
1
```

```
1
```

```
1
```

