```
!pip install transformers --quiet
from transformers import pipeline
# Take input from the user
user input = input("Enter your text: ")
# Run the text classification pipeline
classifier = pipeline("text-classification",
model='bhadresh-savani/distilbert-base-uncased-emotion',
return all scores=True)
prediction = classifier(user input)
# Print the prediction
print(prediction)
Enter your text: I feel overwhelmed by everything happening around me.
Hardware accelerator e.g. GPU is available in the environment, but no
`device` argument is passed to the `Pipeline` object. Model will be on
CPU.
[[{'label': 'sadness', 'score': 0.0023926233407109976}, {'label':
'joy', 'score': 0.0013033674331381917}, {'label': 'love', 'score':
0.0011179584544152021}, {'label': 'anger', 'score': 0.001086054602637887}, {'label': 'fear', 'score': 0.7283236384391785},
{'label': 'surprise', 'score': 0.2657763957977295}]]
k=prediction[0][:]
res = []
for i in k:
    res.append(i)
result = max(res, key=lambda x: x['score'])
Result=result['label']
Result
{"type":"string"}
!pip install google-generativeai --quiet
import pathlib
import textwrap
import google.generativeai as genai
# Used to securely store your API key
from google.colab import userdata
```

```
from IPython.display import display
from IPython.display import Markdown
def to markdown(text):
  text = text.replace('•', ' *')
  return Markdown(textwrap.indent(text, '> ', predicate=lambda _:
True))
import google.generativeai as genai
from google.colab import userdata
GOOGLE API KEY=userdata.get('GOOGLE API KEY')
genai.configure(api key=G00GLE API KEY)
for m in genai.list models():
  if 'generateContent' in m.supported generation methods:
    print(m.name)
models/gemini-1.0-pro-latest
models/gemini-1.0-pro
models/gemini-pro
models/gemini-1.0-pro-001
models/gemini-1.0-pro-vision-latest
models/gemini-pro-vision
models/gemini-1.5-pro-latest
models/gemini-1.5-pro-001
models/gemini-1.5-pro-002
models/gemini-1.5-pro
models/gemini-1.5-pro-exp-0801
models/gemini-1.5-pro-exp-0827
models/gemini-1.5-flash-latest
models/gemini-1.5-flash-001
models/gemini-1.5-flash-001-tuning
models/gemini-1.5-flash
models/gemini-1.5-flash-exp-0827
models/gemini-1.5-flash-002
models/gemini-1.5-flash-8b
models/gemini-1.5-flash-8b-001
models/gemini-1.5-flash-8b-latest
models/gemini-1.5-flash-8b-exp-0827
models/gemini-1.5-flash-8b-exp-0924
model = genai.GenerativeModel('gemini-1.5-pro-latest')
%%time
response = model.generate content(f"Give emotional support based on
this sentiment {Result} in only 120 words")
```

```
CPU times: user 68.4 ms, sys: 4.96 ms, total: 73.3 ms
Wall time: 4.92 s
to markdown(response.text)
<IPython.core.display.Markdown object>
# Do not forget to install all dependencies first:
!pip install -Ugg WhisperSpeech
                                     ─ 0.0/3.7 MB ? eta -:--:--
                            _____ 3.2/3.7 MB 94.3 MB/s eta
0:00:01 —
                                        3.7/3.7 MB 54.9 MB/s
eta 0:00:00
etadata (setup.py) ... -
74.6/74.6 kB 6.6 MB/s eta 0:00:00
                                   --- 630.6/630.6 kB 41.1 MB/s eta
0:00:00
                            0:00:00
                                526.7/526.7 kB 35.2 MB/s eta
0:00:00
# def is colab():
     try: import google.colab; return True
     except: return False
# import torch
# if not torch.cuda.is available():
     if is colab(): raise BaseException("Please change the runtime
type to GPU. In the menu: Runtime -> Change runtime type (the free T4
instance is enough)")
                    raise BaseException("Currently the example
notebook requires CUDA, make sure you are running this on a machine
with a GPU.")
%load ext autoreload
%autoreload 2
import torch
import torch.nn.functional as F
from IPython.display import Markdown, HTML
!pip install webdataset
Collecting webdataset
 Downloading webdataset-0.2.100-py3-none-any.whl.metadata (12 kB)
Collecting braceexpand (from webdataset)
 Downloading braceexpand-0.1.7-py2.py3-none-any.whl.metadata (3.0 kB)
Requirement already satisfied: numpy in
```

```
/usr/local/lib/python3.10/dist-packages (from webdataset) (1.26.4)
Requirement already satisfied: pyyaml in
/usr/local/lib/python3.10/dist-packages (from webdataset) (6.0.2)
Downloading webdataset-0.2.100-py3-none-any.whl (74 kB)
                                       — 0.0/74.8 kB ? eta -:--:--
                                        - 74.8/74.8 kB 6.1 MB/s eta
0:00:00
# check "7. Pipeline.ipynb"
from whisperspeech.pipeline import Pipeline
# let's start with the fast SD S2A model
pipe = Pipeline(s2a ref='collabora/whisperspeech:s2a-q4-tiny-
en+pl.model')
{"model id":"770df5f48f104e9cb71d31ea3ee523bd","version major":2,"vers
ion minor":0}
/usr/local/lib/python3.10/dist-packages/whisperspeech/
t2s up wds mlang enclm.py:365: FutureWarning: You are using
`torch.load` with `weights only=False` (the current default value),
which uses the default pickle module implicitly. It is possible to
construct malicious pickle data which will execute arbitrary code
during unpickling (See
https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-
models for more details). In a future release, the default value for
`weights_only` will be flipped to `True`. This limits the functions
that could be executed during unpickling. Arbitrary objects will no
longer be allowed to be loaded via this mode unless they are
explicitly allowlisted by the user via
`torch.serialization.add_safe_globals`. We recommend you start setting
`weights_only=True` for any use case where you don't have full control
of the loaded file. Please open an issue on GitHub for any issues
related to this experimental feature.
  spec = torch.load(local filename, map location=device)
{"model id":"d9cf03411fcb4a348ae64bc544e151cf","version major":2,"vers
ion minor":0}
/usr/local/lib/python3.10/dist-packages/whisperspeech/inference.py:38:
FutureWarning: You are using `torch.load` with `weights only=False`
(the current default value), which uses the default pickle module
implicitly. It is possible to construct malicious pickle data which
will execute arbitrary code during unpickling (See
https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-
models for more details). In a future release, the default value for
`weights only` will be flipped to `True`. This limits the functions
that could be executed during unpickling. Arbitrary objects will no
longer be allowed to be loaded via this mode unless they are
explicitly allowlisted by the user via
`torch.serialization.add_safe_globals`. We recommend you start setting
```

```
`weights_only=True` for any use case where you don't have full control
of the loaded file. Please open an issue on GitHub for any issues
related to this experimental feature.
  return torch.load(local filename, map location=device)
{"model id": "9d6564e01de447dead32f969292904eb", "version major": 2, "vers
ion minor":0}
{"model id":"e02ec360f0904f8e88b0f24ed4110240","version major":2,"vers
ion minor":0}
/usr/local/lib/python3.10/dist-packages/torch/nn/utils/
weight norm.py:134: FutureWarning: `torch.nn.utils.weight norm` is
deprecated in favor of `torch.nn.utils.parametrizations.weight norm`.
  WeightNorm.apply(module, name, dim)
Downloading: "https://dl.fbaipublicfiles.com/encodec/v0/encodec 24khz-
d7cc33bc.th" to /root/.cache/torch/hub/checkpoints/encodec 24khz-
d7cc33bc.th
              | 88.9M/88.9M [00:02<00:00, 42.8MB/s]
100%|
/usr/local/lib/python3.10/dist-packages/vocos/pretrained.py:70:
FutureWarning: You are using `torch.load` with `weights_only=False`
(the current default value), which uses the default pickle module
implicitly. It is possible to construct malicious pickle data which
will execute arbitrary code during unpickling (See
https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-
models for more details). In a future release, the default value for
`weights only` will be flipped to `True`. This limits the functions
that could be executed during unpickling. Arbitrary objects will no
longer be allowed to be loaded via this mode unless they are
explicitly allowlisted by the user via
`torch.serialization.add_safe_globals`. We recommend you start setting
`weights only=True` for any use case where you don't have full control
of the loaded file. Please open an issue on GitHub for any issues
related to this experimental feature.
  state dict = torch.load(model path, map location="cpu")
speech=pipe.generate to file("output audio.wav", response.text)
/usr/lib/python3.10/contextlib.py:103: FutureWarning:
`torch.backends.cuda.sdp_kernel()` is deprecated. In the future, this
context manager will be removed. Please see
`torch.nn.attention.sdpa kernel()` for the new context manager, with
updated signature.
  self.gen = func(*args, **kwds)
<IPython.core.display.HTML object>
<IPython.core.display.HTML object>
<IPython.core.display.HTML object>
```

```
<IPvthon.core.display.HTML object>
pip install pydub
Collecting pydub
  Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
Downloading pydub-0.25.1-py2.py3-none-anv.whl (32 kB)
Installing collected packages: pydub
Successfully installed pydub-0.25.1
with open("output_audio.wav", "rb") as f:
    audio data = f.read()
pip install streamlit --quiet
                                 41.9/41.9 kB 3.2 MB/s eta
0:00:00
                                   8.7/8.7 MB 40.7 MB/s eta
0:00:00
                                      -- 207.3/207.3 kB 17.5 MB/s eta
0:00:00
                                     --- 6.9/6.9 MB 104.1 MB/s eta
0:00:00
                                      -- 79.3/79.3 kB 6.1 MB/s eta
0:00:00
                                       - 62.7/62.7 kB 5.1 MB/s eta
0:00:00
%%writefile app.py
import streamlit as st
# Define the title of the podcast
podcast title = " Evolve: A Podcast Based on Your Emotions ∏"
# Read the audio data
audio data = open("output audio.wav", "rb").read()
# Set Streamlit app title and page configuration
st.set page config(page title="Evolve Podcast",
page icon=":microphone:", layout="centered")
# Add title and subtitle
st.markdown(f"<h1 style='text-align: center; color:</pre>
#f63366;'>{podcast title}</h1>", unsafe allow html=True)
st.write("Welcome to Evolve, where we create mini moodcasts under 30
sec based on your emotions for fast paced world. Let's dive in and
explore the journey of self-discovery together!")
# Add audio player
st.subheader("Listen to Your moodcast:")
st.audio(audio data, format="audio/wav")
```

```
# Add footer with teammates' names
st.write("---")
st.write("Created with ◆ by Boddu Harshitha, Harini J, K M Sindhu
Priya, Mahalakshmi J")
Writing app.py
!streamlit run app.py & npx localtunnel --port 8501

Collecting usage statistics. To deactivate, set
browser.gatherUsageStats to false.

You can now view your Streamlit app in your browser.

Local URL: http://localhost:8501
Network URL: http://172.28.0.12:8501
External URL: http://34.147.69.182:8501

Stopping...
↑C
```