In [1]: ▶| `pip install SpeechRecognition`

Requirement already satisfied: SpeechRecognition in c:\users\laxmi\anaconda3\lib\site-packages (3.10.0)
Requirement already satisfied: requests>=2.26.0 in c:\users\laxmi\anaconda3\lib\site-packages (from SpeechRecog
nition) (2.28.1)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\laxmi\anaconda3\lib\site-packages (from reques
ts>=2.26.0->SpeechRecognition) (1.26.11)
Requirement already satisfied: idna<4,>=2.5 in c:\users\laxmi\anaconda3\lib\site-packages (from requests>=2.26.
0->SpeechRecognition) (3.3)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\laxmi\anaconda3\lib\site-packages (from req
uests>=2.26.0->SpeechRecognition) (2.0.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\laxmi\anaconda3\lib\site-packages (from requests>
=2.26.0->SpeechRecognition) (2022.9.14)
Note: you may need to restart the kernel to use updated packages.

[notice] A new release of pip is available: 23.0.1 -> 23.1.2
[notice] To update, run: python.exe -m pip install --upgrade pip

In [2]: ▶| `pip install pyttsx3`

Requirement already satisfied: pyttsx3 in c:\users\laxmi\anaconda3\lib\site-packages (2.90)
Requirement already satisfied: comtypes in c:\users\laxmi\anaconda3\lib\site-packages (from pyttsx3) (1.1.10)
Requirement already satisfied: pypiwin32 in c:\users\laxmi\anaconda3\lib\site-packages (from pyttsx3) (223)
Requirement already satisfied: pywin32 in c:\users\laxmi\anaconda3\lib\site-packages (from pyttsx3) (302)
Note: you may need to restart the kernel to use updated packages.

[notice] A new release of pip is available: 23.0.1 -> 23.1.2
[notice] To update, run: python.exe -m pip install --upgrade pip

```
In [3]: ▶ pip install newsapi
```

Requirement already satisfied: newsapi in c:\users\laxmi\anaconda3\lib\site-packages (0.1.1)
Requirement already satisfied: requests in c:\users\laxmi\anaconda3\lib\site-packages (from newsapi) (2.28.1)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\laxmi\anaconda3\lib\site-packages (from requests->newsapi) (2022.9.14)
Requirement already satisfied: idna<4,>=2.5 in c:\users\laxmi\anaconda3\lib\site-packages (from requests->newsapi) (3.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\laxmi\anaconda3\lib\site-packages (from requests->newsapi) (1.26.11)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\laxmi\anaconda3\lib\site-packages (from requests->newsapi) (2.0.4)
Note: you may need to restart the kernel to use updated packages.

[notice] A new release of pip is available: 23.0.1 -> 23.1.2
[notice] To update, run: python.exe -m pip install --upgrade pip

```
In [4]:  ▶ pip install pywhatkit
```

Requirement already satisfied: pywhatkit in c:\users\laxmi\anaconda3\lib\site-packages (5.4)Note: you may need
to restart the kernel to use updated packages.

[notice] A new release of pip is available: 23.0.1 -> 23.1.2
[notice] To update, run: python.exe -m pip install --upgrade pip

```
Requirement already satisfied: requests in c:\users\laxmi\anaconda3\lib\site-packages (from pywhatkit) (2.28.1)
Requirement already satisfied: wikipedia in c:\users\laxmi\anaconda3\lib\site-packages (from pywhatkit) (1.4.0)
Requirement already satisfied: Flask in c:\users\laxmi\anaconda3\lib\site-packages (from pywhatkit) (1.1.2)
Requirement already satisfied: pyautogui in c:\users\laxmi\anaconda3\lib\site-packages (from pywhatkit) (0.9.5
4)
Requirement already satisfied: Pillow in c:\users\laxmi\anaconda3\lib\site-packages (from pywhatkit) (9.2.0)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\laxmi\anaconda3\lib\site-packages (from Flask->pywhat
kit) (2.0.3)
Requirement already satisfied: click>=5.1 in c:\users\laxmi\anaconda3\lib\site-packages (from Flask->pywhatkit)
(8.0.4)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\laxmi\anaconda3\lib\site-packages (from Flask->pywhat
kit) (2.11.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\laxmi\anaconda3\lib\site-packages (from Flask->py
whatkit) (2.0.1)
Requirement already satisfied: pytweening>=1.0.4 in c:\users\laxmi\anaconda3\lib\site-packages (from pyautogui-
>pywhatkit) (1.0.7)
Requirement already satisfied: pygetwindow>=0.0.5 in c:\users\laxmi\anaconda3\lib\site-packages (from pyautogui
->pywhatkit) (0.0.9)
Requirement already satisfied: mouseinfo in c:\users\laxmi\anaconda3\lib\site-packages (from pyautogui->pywhatk
it) (0.1.3)
Requirement already satisfied: pymsgbox in c:\users\laxmi\anaconda3\lib\site-packages (from pyautogui->pywhatki
t) (1.0.9)
Requirement already satisfied: pyscreeze>=0.1.21 in c:\users\laxmi\anaconda3\lib\site-packages (from pyautogui-
>pywhatkit) (0.1.29)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\laxmi\anaconda3\lib\site-packages (from req
uests->pywhatkit) (2.0.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\laxmi\anaconda3\lib\site-packages (from requests-
>pywhatkit) (2022.9.14)
Requirement already satisfied: idna<4,>=2.5 in c:\users\laxmi\anaconda3\lib\site-packages (from requests->pywha
tkit) (3.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\laxmi\anaconda3\lib\site-packages (from reques
ts->pywhatkit) (1.26.11)
Requirement already satisfied: beautifulsoup4 in c:\users\laxmi\anaconda3\lib\site-packages (from wikipedia->py
whatkit) (4.11.1)
Requirement already satisfied: colorama in c:\users\laxmi\anaconda3\lib\site-packages (from click>=5.1->Flask->
pywhatkit) (0.4.5)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\laxmi\anaconda3\lib\site-packages (from Jinja2>=2.1
0.1->Flask->pywhatkit) (2.0.1)
Requirement already satisfied: pyrect in c:\users\laxmi\anaconda3\lib\site-packages (from pygetwindow>=0.0.5->p
yautogui->pywhatkit) (0.2.0)
```

```
Requirement already satisfied: pyscreenshot in c:\users\laxmi\anaconda3\lib\site-packages (from pyscreeze>=0.1.
21->pyautogui->pywhatkit) (3.1)
Requirement already satisfied: soupsieve>1.2 in c:\users\laxmi\anaconda3\lib\site-packages (from beautifulsoup4
->wikipedia->pywhatkit) (2.3.1)
Requirement already satisfied: pyperclip in c:\users\laxmi\anaconda3\lib\site-packages (from mouseinfo->pyautog
ui->pywhatkit) (1.8.2)
Requirement already satisfied: EasyProcess in c:\users\laxmi\anaconda3\lib\site-packages (from pyscreenshot->py
screeze>=0.1.21->pyautogui->pywhatkit) (1.1)
Requirement already satisfied: entrypoint2 in c:\users\laxmi\anaconda3\lib\site-packages (from pyscreenshot->py
screeze>=0.1.21->pyautogui->pywhatkit) (1.1)
Requirement already satisfied: mss in c:\users\laxmi\anaconda3\lib\site-packages (from pyscreenshot->pyscreeze>
=0.1.21->pyautogui->pywhatkit) (9.0.1)
```

In [5]: ```
pip install wikipedia
```

```
Requirement already satisfied: wikipedia in c:\users\laxmi\anaconda3\lib\site-packages (1.4.0)
Requirement already satisfied: beautifulsoup4 in c:\users\laxmi\anaconda3\lib\site-packages (from wikipedia)
(4.11.1)
Requirement already satisfied: requests<3.0.0,>=2.0.0 in c:\users\laxmi\anaconda3\lib\site-packages (from wikip
edia) (2.28.1)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\laxmi\anaconda3\lib\site-packages (from req
uests<3.0.0,>=2.0.0->wikipedia) (2.0.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\laxmi\anaconda3\lib\site-packages (from reques
ts<3.0.0,>=2.0.0->wikipedia) (1.26.11)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\laxmi\anaconda3\lib\site-packages (from requests<
3.0.0,>=2.0.0->wikipedia) (2022.9.14)
Requirement already satisfied: idna<4,>=2.5 in c:\users\laxmi\anaconda3\lib\site-packages (from requests<3.0.0,
>=2.0.0->wikipedia) (3.3)
Requirement already satisfied: soupsieve>1.2 in c:\users\laxmi\anaconda3\lib\site-packages (from beautifulsoup4
->wikipedia) (2.3.1)
Note: you may need to restart the kernel to use updated packages.


[notice] A new release of pip is available: 23.0.1 -> 23.1.2
[notice] To update, run: python.exe -m pip install --upgrade pip
```

```python
In [6]:    import os

           def clear_console():
               os.system('cls' if os.name == 'nt' else 'clear')

           # Call clear_console() before displaying new information
           clear_console()
```

```python
In [1]:    import seaborn as sns
           import tensorflow as tf
           import torch
           import nltk
           import requests
```

```python
In [1]:    import speech_recognition as sr
           import pyttsx3
           import datetime
           import pywhatkit
           import wikipedia
           import webbrowser
           listener = sr.Recognizer()
           AI = pyttsx3.init()
```

```python
In [2]:    voices = AI.getProperty('voices')
           AI.setProperty('voice', voices[0].id)
```

```
In [3]:  ▶| def talk(text):
             AI.say(text)
             AI.runAndWait()


In [ ]:  ▶|


In [4]:  ▶| def take_command():

             try:
                 with sr.Microphone() as source:
                     print('AI is listening, please speak...')
                     voice = listener.listen(source)
                     command = listener.recognize_google(voice)
                     command = command.lower()
                     if 'AI' in command:
                         command = command.replace('AI', '')
             except:
                 pass
             return command


In [5]:  ▶| import os

          def clear_console():
              os.system('cls' if os.name == 'nt' else 'clear')

          # Call clear_console() before displaying new information
          clear_console()
```

```
In [6]:  ▶ def get_news():
             # Get the news api key
             api_key = "YOUR_API_KEY"

             # Create a news api object
             news_api = newsapi.NewsApi(api_key)

             # Get the top headlines
             top_headlines = news_api.top_headlines(sources="bbc-news,the-verge")

             # Print the headlines
             for headline in top_headlines["articles"]:
                 print(headline["title"])

         def run_AI():
             command = take_command()

             if 'news' in command:
                 get_news()
             else:
                 run_AI()
```

```python
In [ ]:  ▶ def run_AI():
             command = take_command()

             if 'time' in command:
                 time = datetime.datetime.now().strftime('%I:%M %p')
                 print('Current time is ' + time)
                 talk('Current time is ' + time)
             elif 'play' in command:
                 song = command.replace('play', '')
                 talk('playing ' + song)
                 pywhatkit.playonyt(song)
             elif 'tell me about' in command:
                 wiki = command.replace('tell me about', '')
                 info = wikipedia.summary(wiki, 2)
                 print(info)
                 talk(info)
             elif 'weather' in command:
                 weather = pywhatkit.get_weather('India')
                 print(weather)
                 talk(weather)
             elif 'joke' in command:
                 joke = pyjokes.get_joke()
                 print(joke)
                 talk(joke)
             elif 'sports' in command:
                 sports = ['football', 'basketball', 'tennis', 'cricket', 'soccer']
                 selected_sport = random.choice(sports)
                 talk(f"Sure, let's talk about {selected_sport}.")
                 pywhatkit.search(selected_sport)
             elif 'scores' in command:
                 talk("Sure, let me check the latest scores for you.")
                 pywhatkit.search('latest sports scores')
             else:
                 talk('Sorry, I did not understand your question. I can search it on Google.')


             pywhatkit.search(command)
```

```
run_AI()
```

AI is listening, please speak...

In [ ]: ▶

In [ ]: ▶

In [ ]: ▶

In [ ]: ▶