

```
In [29]: ▶ import pandas as pd
```

```
In [30]: ▶ from langdetect import detect_langs
sentence = "La película RRR as un gran éxito an India"
print(detect_langs(sentence))
```

```
[es:0.9999945032773883]
```

```
In [31]: ▶ pip install langdetect
```

Requirement already satisfied: langdetect in e:\anaconda3\lib\site-packages (1.0.9)Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: six in e:\anaconda3\lib\site-packages (from langdetect) (1.16.0)

```
In [32]: ▶ pip install googletrans
```

Requirement already satisfied: googletrans in e:\anaconda3\lib\site-packages (4.0.0rc1)

Requirement already satisfied: httpx==0.13.3 in e:\anaconda3\lib\site-packages (from googletrans) (0.13.3)

Requirement already satisfied: httpcore==0.9.* in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (0.9.1)

Requirement already satisfied: chardet==3.* in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (3.0.4)

Requirement already satisfied: sniffio in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (1.2.0)

Requirement already satisfied: hstspreload in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (2023.1.1)

Requirement already satisfied: idna==2.* in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (2.10)

Requirement already satisfied: certifi in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (2023.7.22)

Requirement already satisfied: rfc3986<2,>=1.3 in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans) (1.5.0)

Requirement already satisfied: h2==3.* in e:\anaconda3\lib\site-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans) (3.2.0)

Requirement already satisfied: h11<0.10,>=0.8 in e:\anaconda3\lib\site-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans) (0.9.0)

Requirement already satisfied: hyperframe<6,>=5.2.0 in e:\anaconda3\lib\site-packages (from h2==3.*->httpcore==0.9.*->httpx==0.13.3->googletrans) (5.2.0)

Requirement already satisfied: hpack<4,>=3.0 in e:\anaconda3\lib\site-packages (from h2==3.*->httpcore==0.9.*->httpx==0.13.3->googletrans) (3.0.0)

Note: you may need to restart the kernel to use updated packages.

In [33]: `import googletrans`
`print(googletrans.LANGUAGES)`

```
{'af': 'afrikaans', 'sq': 'albanian', 'am': 'amharic', 'ar': 'arabic',
 'hy': 'armenian', 'az': 'azerbaijani', 'eu': 'basque', 'be': 'belarusian',
 'bn': 'bengali', 'bs': 'bosnian', 'bg': 'bulgarian', 'ca': 'catalan',
 'ceb': 'cebuano', 'ny': 'chichewa', 'zh-cn': 'chinese (simplified)',
 'zh-tw': 'chinese (traditional)', 'co': 'corsican', 'hr': 'croatian', 'cs': 'czech',
 'da': 'danish', 'nl': 'dutch', 'en': 'english', 'eo': 'esperanto', 'et': 'estonian',
 'tl': 'filipino', 'fi': 'finnish', 'fr': 'french', 'fy': 'frisian', 'gl': 'galician',
 'ka': 'georgian', 'de': 'german', 'el': 'greek', 'gu': 'gujarati', 'ht': 'haitian creole',
 'ha': 'hausa', 'haw': 'hawaiian', 'iw': 'hebrew', 'he': 'hebrew', 'hi': 'hindi', 'hmn': 'hmong',
 'hu': 'hungarian', 'is': 'icelandic', 'ig': 'igbo', 'id': 'indonesian', 'ga': 'irish',
 'it': 'italian', 'ja': 'japanese', 'jw': 'javanese', 'kn': 'kannada', 'kk': 'kazakh',
 'km': 'khmer', 'ko': 'korean', 'ku': 'kurdish (kurmanji)', 'ky': 'kyrgyz', 'lo': 'lao',
 'la': 'latin', 'lv': 'latvian', 'lt': 'lithuanian', 'lb': 'luxembourgish', 'mk': 'macedonian',
 'mg': 'malagasy', 'ms': 'malay', 'ml': 'malayalam', 'mt': 'maltese', 'mi': 'maori',
 'mr': 'marathi', 'mn': 'mongolian', 'my': 'myanmar (burmese)', 'ne': 'nepali',
 'no': 'norwegian', 'or': 'odia', 'ps': 'pashto', 'fa': 'persian', 'pl': 'polish',
 'pt': 'portuguese', 'pa': 'punjabi', 'ro': 'romanian', 'ru': 'russian', 'sm': 'samoan', 'gd': 'scots gaelic',
 'sr': 'serbian', 'st': 'sesotho', 'sn': 'shona', 'sd': 'sindhi', 'si': 'sinhala',
 'sk': 'slovak', 'sl': 'slovenian', 'so': 'somali', 'es': 'spanish', 'su': 'sundanese',
 'sw': 'swahili', 'sv': 'swedish', 'tg': 'tajik', 'ta': 'tamil', 'te': 'telugu',
 'th': 'thai', 'tr': 'turkish', 'uk': 'ukrainian', 'ur': 'urdu', 'ug': 'uyghur', 'uz': 'uzbek',
 'vi': 'vietnamese', 'cy': 'welsh', 'xh': 'xhosa', 'yi': 'yiddish', 'yo': 'yoruba',
 'zu': 'zulu'}
```

In [34]: `pip install translate`

```
Requirement already satisfied: translate in e:\anaconda3\lib\site-packages (3.6.1)
Requirement already satisfied: lxml in e:\anaconda3\lib\site-packages (from translate) (4.9.1)
Requirement already satisfied: libretranslatepy==2.1.1 in e:\anaconda3\lib\site-packages (from translate) (2.1.1)
Requirement already satisfied: requests in e:\anaconda3\lib\site-packages (from translate) (2.28.1)
Requirement already satisfied: click in e:\anaconda3\lib\site-packages (from translate) (8.0.4)
Requirement already satisfied: colorama in e:\anaconda3\lib\site-packages (from click->translate) (0.4.6)
Requirement already satisfied: idna<4,>=2.5 in e:\anaconda3\lib\site-packages (from requests->translate) (2.10)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in e:\anaconda3\lib\site-packages (from requests->translate) (1.26.14)
Requirement already satisfied: certifi>=2017.4.17 in e:\anaconda3\lib\site-packages (from requests->translate) (2023.7.22)
Requirement already satisfied: charset-normalizer<3,>=2 in e:\anaconda3\lib\site-packages (from requests->translate) (2.0.4)
Note: you may need to restart the kernel to use updated packages.
```

In [35]: `pip install --upgrade googletrans==4.0.0-rc1`

```
Requirement already satisfied: googletrans==4.0.0-rc1 in e:\anaconda3\lib\site-packages (4.0.0rc1)
Requirement already satisfied: httpx==0.13.3 in e:\anaconda3\lib\site-packages (from googletrans==4.0.0-rc1) (0.13.3)
Requirement already satisfied: idna==2.* in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (2.10)
Requirement already satisfied: hstspreload in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (2023.1.1)
Requirement already satisfied: rfc3986<2,>=1.3 in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (1.5.0)
Requirement already satisfied: chardet==3.* in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (3.0.4)
Requirement already satisfied: sniffio in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (1.2.0)
Requirement already satisfied: httpcore==0.9.* in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (0.9.1)
Requirement already satisfied: certifi in e:\anaconda3\lib\site-packages (from httpx==0.13.3->googletrans==4.0.0-rc1) (2023.7.22)
Requirement already satisfied: h2==3.* in e:\anaconda3\lib\site-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (3.2.0)
Requirement already satisfied: h11<0.10,>=0.8 in e:\anaconda3\lib\site-packages (from httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (0.9.0)
Requirement already satisfied: hyperframe<6,>=5.2.0 in e:\anaconda3\lib\site-packages (from h2==3.*->httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (5.2.0)
Requirement already satisfied: hpack<4,>=3.0 in e:\anaconda3\lib\site-packages (from h2==3.*->httpcore==0.9.*->httpx==0.13.3->googletrans==4.0.0-rc1) (3.0.0)
Note: you may need to restart the kernel to use updated packages.
```

In [36]: `from translate import Translator`

```
translator = Translator(to_lang="or") # Translate to Odia (Oriya)
sentence = "Estoy orgulloso de ser estudiante de Sir Kodi Prakash Senapati"
translated_sentence = translator.translate(sentence)

print(translated_sentence)
```

ଏହା ଅର୍ଗୁଲୋସୋ ଡି ସେର ଏଷ୍ଟୁଡିଏଣ୍ଟେ ଡି ସାର କୋଡି ପ୍ରକାଶ ସେନାପତି

```
In [37]: ▶ from translate import Translator

translator = Translator(to_lang='te') # Translate to 'te': 'telugu'
sentence = "Estoy orgulloso de ser estudiante de Sir Kodi Prakash Senapati"
translated_sentence = translator.translate(sentence)

print(translated_sentence)
```

ఎన్నోయ్ orgulloso de ser estudiante de Sir Kodi Prakash Senapati

```
In [38]: ▶ from translate import Translator

translator = Translator(to_lang='hi') # Translate to 'hi': 'hindi'
sentence = "i am proud to be Indian"
translated_sentence = translator.translate(sentence)

print(translated_sentence)
```

मैं एक भारतीय होने पर गर्व कर रहा हूँ

```
In [39]: ▶ from translate import Translator

translator = Translator(to_lang='bn') # Translate to 'bn': 'Bengali'
sentence = "i am proud to be Indian"
translated_sentence = translator.translate(sentence)

print(translated_sentence)
```

আমি একজন ভারতীয় হতে পেরে আমি গর্বিত

```
In [62]: ▶ my_data = pd.DataFrame({"EnglishText": ["my name is Amirul", "Good boy",
                                                    "Data Science Good Future", "Proud to be student of Sir KODI Prakash Senapati",
                                                    "AI Is Future"]})

my_data
```

Out[62]:

| | EnglishText |
|---|--|
| 0 | my name is Amirul |
| 1 | Good boy |
| 2 | Data Science Good Future |
| 3 | Proud to be student of Sir KODI Prakash Senapati |
| 4 | AI Is Future |

```
In [63]: from translate import Translator
import pandas as pd

# Assuming you have a DataFrame named 'my_data' with columns 'EnglishText'

translator = Translator(from_lang="en", to_lang="ta")

my_data["TamilText"] = my_data["EnglishText"].apply(lambda x: translator.translate(x))
```

```
In [64]: my_data
```

```
Out[64]:
```

| | EnglishText | TamilText |
|---|--|--|
| 0 | my name is Amirul | என் பெயர் அமிரூல் |
| 1 | Good boy | regtrgg |
| 2 | Data Science Good Future | தரவு அறிவியல் நல்ல எதிர்காலம் |
| 3 | Proud to be student of Sir KODI Prakash Senapati | சர் கோடி பிரகாஷ் சேனாபதியின் மாணவராக இருப்பதில்... |
| 4 | AI Is Future | AI எதிர்காலம் |

```
In [65]: from translate import Translator
import pandas as pd

# Assuming you have a DataFrame named 'my_data' with columns 'EnglishText'

translator = Translator(from_lang="en", to_lang="hi")

my_data["HindiText"] = my_data["EnglishText"].apply(lambda x: translator.translate(x))
```

```
In [66]: my_data
```

```
Out[66]:
```

| | EnglishText | TamilText | HindiText |
|---|--|--|---|
| 0 | my name is Amirul | என் பெயர் அமிரூல் | मेरा नाम अमिरुल है |
| 1 | Good boy | regtrgg | महान लड़का |
| 2 | Data Science Good Future | தரவு அறிவியல் நல்ல எதிர்காலம் | डेटा साइंस गुड फ्यूचर |
| 3 | Proud to be student of Sir KODI Prakash Senapati | சர் கோடி பிரகாஷ் சேனாபதியின் மாணவராக இருப்பதில்... | सर कोडी प्रकाश सेनापति के छात्र होने पर गर्व है |
| 4 | AI Is Future | AI எதிர்காலம் | AI इज़ फ्यूचर |

```
In [67]: from translate import Translator
import pandas as pd

# Assuming you have a DataFrame named 'my_data' with columns 'EnglishText'

translator = Translator(from_lang="en", to_lang="te")

my_data["TeluguText"] = my_data["EnglishText"].apply(lambda x: translator.
```

```
In [68]: my_data
```

```
Out[68]:
```

| | EnglishText | TamilText | HindiText | TeluguText |
|---|--|--|---|--|
| 0 | my name is Amirul | என் பெயர் அமிரூல் | मेरा नाम अमिरुल है | నా పేరు అమిరుల్ |
| 1 | Good boy | regtrgg | महान लड़का | Lanja koduku |
| 2 | Data Science Good Future | తరవు అறிవియల్ నల్ల எதிர்காலம் | डेटा साइंस गुड फ्यूचर | డేటా సైన్స్ మంచి భవిష్యత్తు |
| 3 | Proud to be student of Sir KODI Prakash Senapati | శర్ కోడి பிரகாஷ் சேனாபதியின் மாணவராக இருப்பதில்... | सर कोडी प्रकाश सेनापति के छात्र होने पर गर्व है | సర్ కోడి ప్రకాష్ సేనాపతి విద్యార్థిగా ఉన్నందుకే... |
| 4 | AI Is Future | AI எதிர்காலம் | AI इज़ प्यूचर | AI భవిష్యత్తు |

```
In [69]: from translate import Translator
import pandas as pd

# Assuming you have a DataFrame named 'my_data' with columns 'EnglishText'

translator = Translator(from_lang="en", to_lang='zh-cn')

my_data["chineseText"] = my_data["EnglishText"].apply(lambda x: translator.
```

```
In [70]: my_data
```

```
Out[70]:
```

| | EnglishText | TamilText | HindiText | TeluguText | chineseText |
|---|--|--|---|--|------------------------|
| 0 | my name is Amirul | என் பெயர் அமிரூல் | मेरा नाम अमिरुल है | నా పేరు అమిరుల్ | 我叫Amirul |
| 1 | Good boy | regtrgg | महान लड़का | Lanja koduku | 好孩子。 |
| 2 | Data Science Good Future | తరవు అறிవియల్ నల్ల எதிர்காலம் | डेटा साइंस गुड फ्यूचर | డేటా సైన్స్ మంచి భవిష్యత్తు | 数据科学美好未来 |
| 3 | Proud to be student of Sir KODI Prakash Senapati | శర్ కోడి பிரகாஷ் சேனாபதியின் மாணவராக இருப்பதில்... | सर कोडी प्रकाश सेनापति के छात्र होने पर गर्व है | సర్ కోడి ప్రకాష్ సేనాపతి విద్యార్థిగా ఉన్నందుకే... | 很荣幸成为科迪·普拉卡什·塞纳帕蒂爵士的学生 |
| 4 | AI Is Future | AI எதிர்காலம் | AI इज़ प्यूचर | AI భవిష్యత్తు | 人工智能是未来 |

```
In [71]: from translate import Translator
import pandas as pd

# Assuming you have a DataFrame named 'my_data' with columns 'EnglishText'

translator = Translator(from_lang="en", to_lang="or")

my_data["odiaText"] = my_data["EnglishText"].apply(lambda x: translator.tr
```

```
In [72]: my_data
```

Out[72]:

| | EnglishText | TamilText | HindiText | TeluguText | chineseText | odiaText |
|---|--|--|---|---|------------------------|--|
| 0 | my name is Amirul | என் பெயர் அமிருல் | मेरा नाम अमिरुल है | నా పేరు అమిరుల్ | 我叫Amirul | ମୋର ନାମ ଅମିରୁଲ । |
| 1 | Good boy | regtrgg | महान लड़का | Lanja koduku | 好孩子。 | ଭଲ ପିଲାଟିଏ । |
| 2 | Data Science Good Future | தரவு அறிவியல் நல்ல எதிர்காலம் | डेटा साइंस गुड फ्यूचर | డేటా సైన్స్ మంచి భవిష్యత్తు | 数据科学美好未来 | ଡାଟା ସାଇନ୍ସ ଗୁଡ଼ ଫ୍ୟୁଚର |
| 3 | Proud to be student of Sir KODI Prakash Senapati | சர் கோடி பிரகாஷ் சேனாபதியின் மாணவராக இருப்பதில்... | सर कोडी प्रकाश सेनापति के छात्र होने पर गर्व है | సర్ కోడి ప్రకాష్ సేనాపతి విద్యార్థిగా ఉన్నందుక... | 很荣幸成为科迪·普拉卡什·塞纳帕蒂爵士的学生 | ସାର୍ କୋଡ଼ି ପ୍ରକାଶ ସେନାପତିଙ୍କ ଛାତ୍ର ହେବେ ଗର୍ବ । |
| 4 | AI Is Future | AI எதிர்காலம் | AI इज़ प्यूचर | AI భవిష్యత్తు | 人工智能是未来 | ଏଆଇ ହେଉଛି ଭବିଷ୍ୟତ |

```
In [ ]: 
```