

```
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)
```

ଏକ୍ସମ୍ପଲ୍ 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.translate(x))
```

```
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.translate(x))
```

```
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 [ ]: 
```