Text Translator

Change from one lang to other lang

In [6]:
```python
import requests, uuid, json

# subscription key and endpoint
subscription_key = "76c6479044644777b55d4a888bcfee59"
endpoint = "https://api.cognitive.microsofttranslator.com/"

location = "centralindia"

path = '/translate'
constructed_url = endpoint + path

# Translating to German and Italian
params = {
    'api-version': '3.0',
    'from': 'en',
    'to': ['de', 'it']
}

headers = {
    'Ocp-Apim-Subscription-Key': subscription_key,
    'Ocp-Apim-Subscription-Region': location,
    'Content-type': 'application/json',
    'X-ClientTraceId': str(uuid.uuid4())
}

body = [{'text':"Doctor strange is not normal human being"}]  # Json format

request = requests.post(constructed_url, params=params, headers=headers, json=body)
response = request.json()

print(json.dumps(response, sort_keys=True, ensure_ascii=False, indent=4, separators=(',', ': ')))
```

```
[
    {
        "translations": [
            {
                "text": "Arzt seltsam ist nicht normaler Mensch",
                "to": "de"
            },
            {
                "text": "Doctor strange non è un essere umano normale",
                "to": "it"
```

```
                }
            ]
        }
    ]
```

Detect source language during translation

In [9]:
```python
import requests, uuid, json

params = {
    'api-version': '3.0',
    'to': ['en', 'it']
}

headers = {
    'Ocp-Apim-Subscription-Key': subscription_key,
    'Ocp-Apim-Subscription-Region': location,
    'Content-type': 'application/json',
    'X-ClientTraceId': str(uuid.uuid4())
}

# Input text
body = [{'text': 'ఫేస్బుక్ కి స్వాగతం'}]

request = requests.post(constructed_url, params=params, headers=headers, json=body)
response = request.json()

print(json.dumps(response, sort_keys=True, ensure_ascii=False, indent=4, separators=(',', ': ')))
```

```
[
    {
        "detectedLanguage": {
            "language": "te",
            "score": 1.0
        },
        "translations": [
            {
                "text": "Welcome to Facebook",
                "to": "en"
            },
            {
                "text": "Benvenuti su Facebook",
                "to": "it"
            }
        ]
    }
]
```

Detect source language without translation

In [12]:

```python
import requests, uuid, json

path = '/detect'
constructed_url = endpoint + path
params = {
    'api-version': '3.0'
}


headers = {
    'Ocp-Apim-Subscription-Key': subscription_key,
    'Ocp-Apim-Subscription-Region': location,
    'Content-type': 'application/json',
    'X-ClientTraceId': str(uuid.uuid4())
}

body = [{
    'text': 'Hello world how are you'
}]

request = requests.post(constructed_url, params=params, headers=headers, json=body)
response = request.json()

print(json.dumps(response, sort_keys=True, ensure_ascii=False, indent=4, separators=(',', ': ')))
```

```
[
    {
        "alternatives": [
            {
                "isTranslationSupported": true,
                "isTransliterationSupported": false,
                "language": "fil",
                "score": 1.0
            },
            {
                "isTranslationSupported": true,
                "isTransliterationSupported": false,
                "language": "ro",
                "score": 1.0
            }
        ],
        "isTranslationSupported": true,
```

```
        "isTransliterationSupported": false,
        "language": "en",
        "score": 1.0
    }
]
```

Get sentence length during translation

```
In [15]: import requests, uuid, json

         path = '/translate'
         constructed_url = endpoint + path


         params = {
             'api-version': '3.0',
             'to': ['te', 'it'],
             'includeSentenceLength': True
         }
         headers = {
             'Ocp-Apim-Subscription-Key': subscription_key,
             'Ocp-Apim-Subscription-Region': location,
             'Content-type': 'application/json',
             'X-ClientTraceId': str(uuid.uuid4())
         }

         body = [{
             'text': 'Penn Station? Oh, you arenCan you tell me how to get to \'t sure? That\'s fine.'
         }]
         request = requests.post(constructed_url, params=params, headers=headers, json=body)
         response = request.json()

         print(json.dumps(response, sort_keys=True, ensure_ascii=False, indent=4, separators=(',', ': ')))
```

```
[
    {
        "detectedLanguage": {
            "language": "en",
            "score": 1.0
        },
        "translations": [
            {
                "sentLen": {
                    "srcSentLen": [
                        44,
                        21,
                        12
                    ],
                    "transSentLen": [
                        62,
```

```
                                    26,
                                    10
                                ]
                            },
                            "text": "పెన్ న్ స్టేషన్ కు ఎలా చేరాలనే విషయాన్ని మీరు నాకు చెప్పగలరా? ఓహ్, మీరు ఖచ్చితంగా లేదు?
                                పర్వాలేదు.",
                            "to": "te"
                        },
                        {
                            "sentLen": {
                                "srcSentLen": [
                                    44,
                                    21,
                                    12
                                ],
                                "transSentLen": [
                                    44,
                                    23,
                                    8
                                ]
                            },
                            "text": "Puoi dirmi come arrivare alla Penn Station? Oh, non ne sei sicuro? Va bene.",
                            "to": "it"
                        }
                    ]
                }
            ]
```

In [ ]: