


IBM Watson Translation

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GitHub - Abdelhakim-gh/IBM-Watson-Text-Translator-CC

Contribute to Abdelhakim-gh/IBM-Watson-Text-Translator-CC development by creating an account on GitHub.

 <https://github.com/Abdelhakim-gh/IBM-Watson-Text-Translator-CC.git>

Abdelhakim-gh/IBM-Watson-Text-Translator-...




1Contributor

0Issues

0Stars

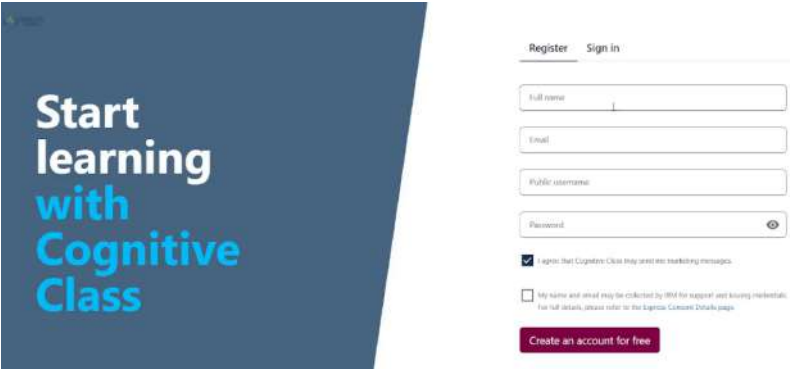
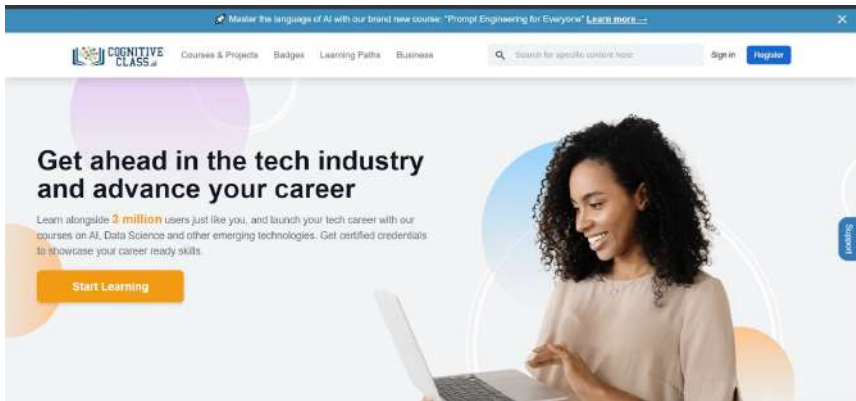
0Forks



IBM Watson Text Translation Service offers multilingual support, including customization for specific needs. It utilizes Neural Machine Translation (NMT) for accurate and fluent translations. With a RESTful API, developers can seamlessly integrate translation capabilities into their applications.

Create account for free

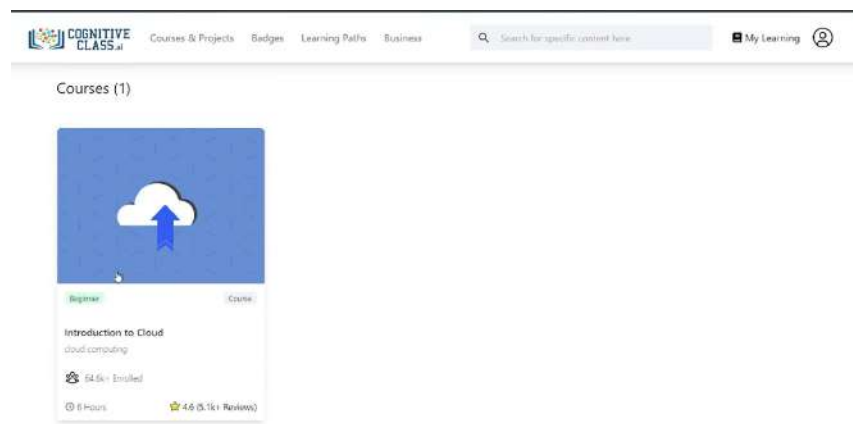
1. get a free sign up code for **IBM Watson**
- <https://cognitiveclass.ai/>
2. click **register** & fill the information



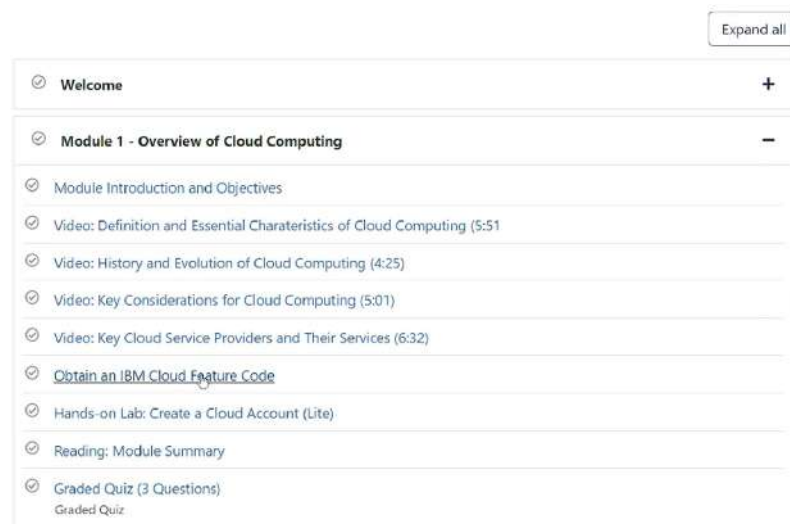
5. Enroll in Course

3. Sign in

4. Search for: **IBM introduction to cloud**



6. Look in Module 1 for **Obtain IBM code**

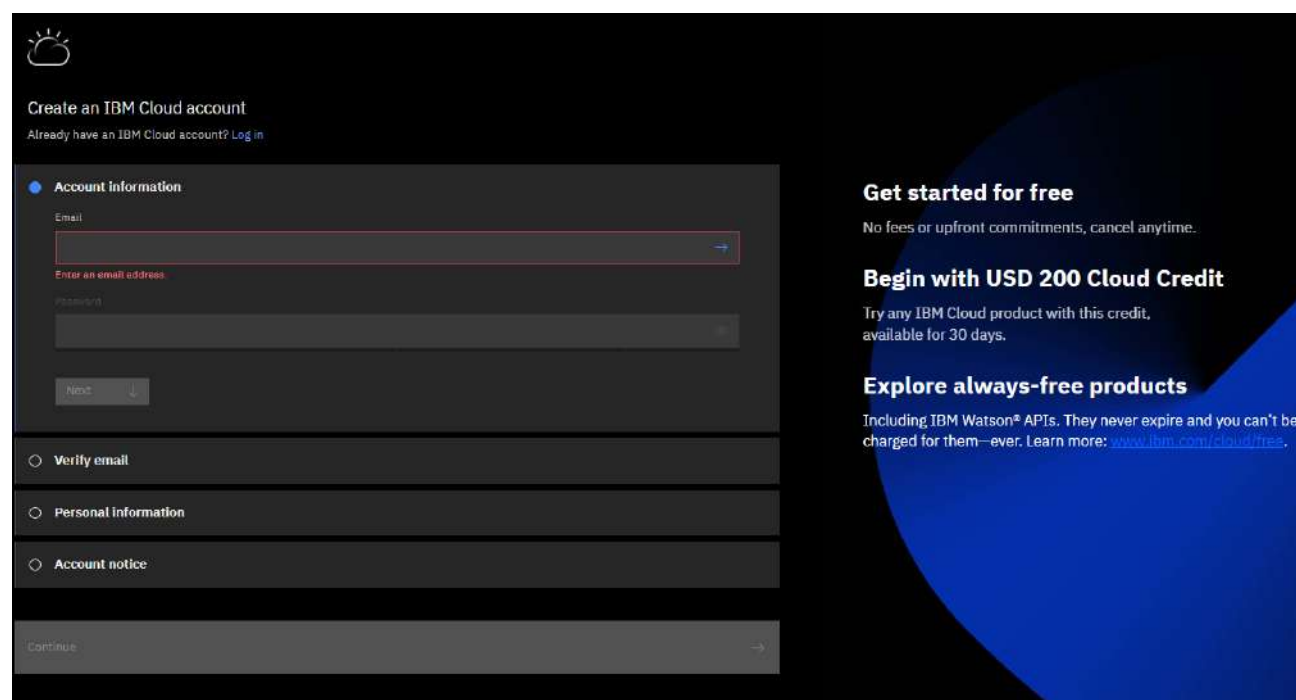


7. Get the code & save it somewhere

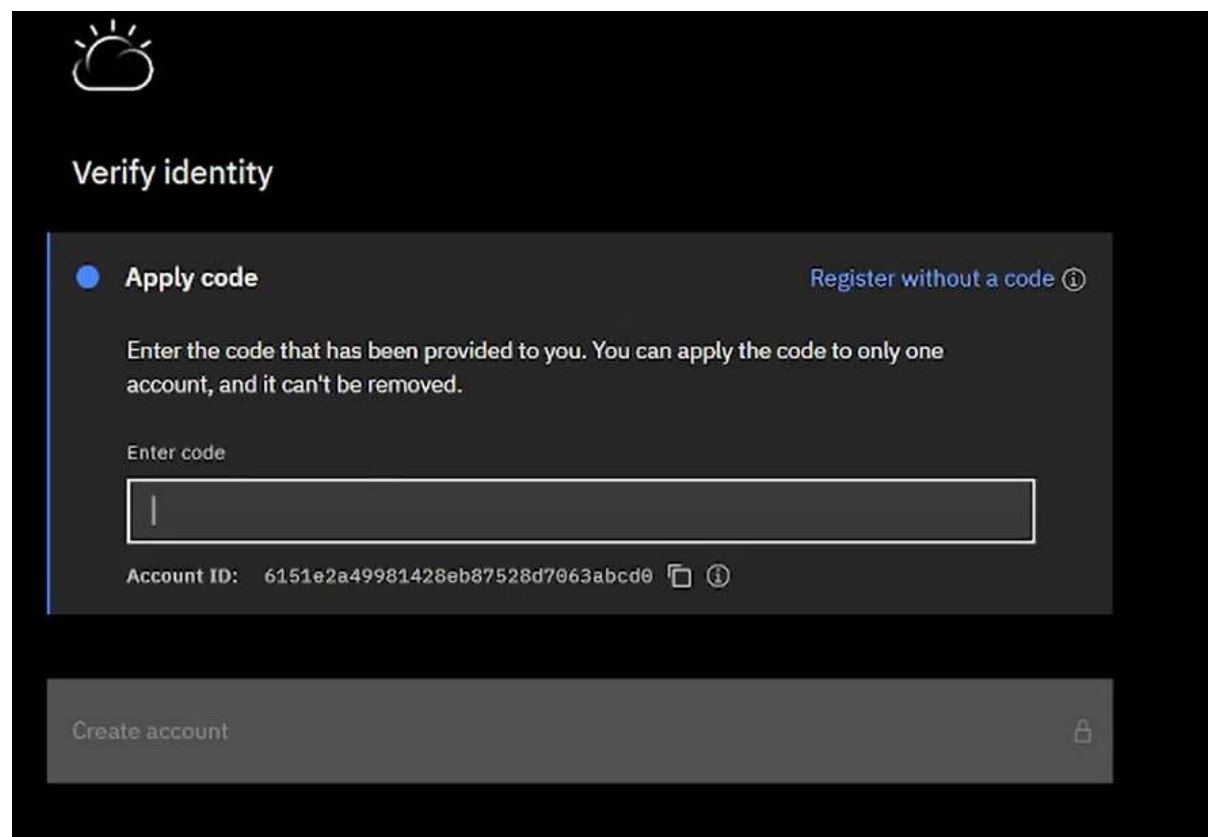
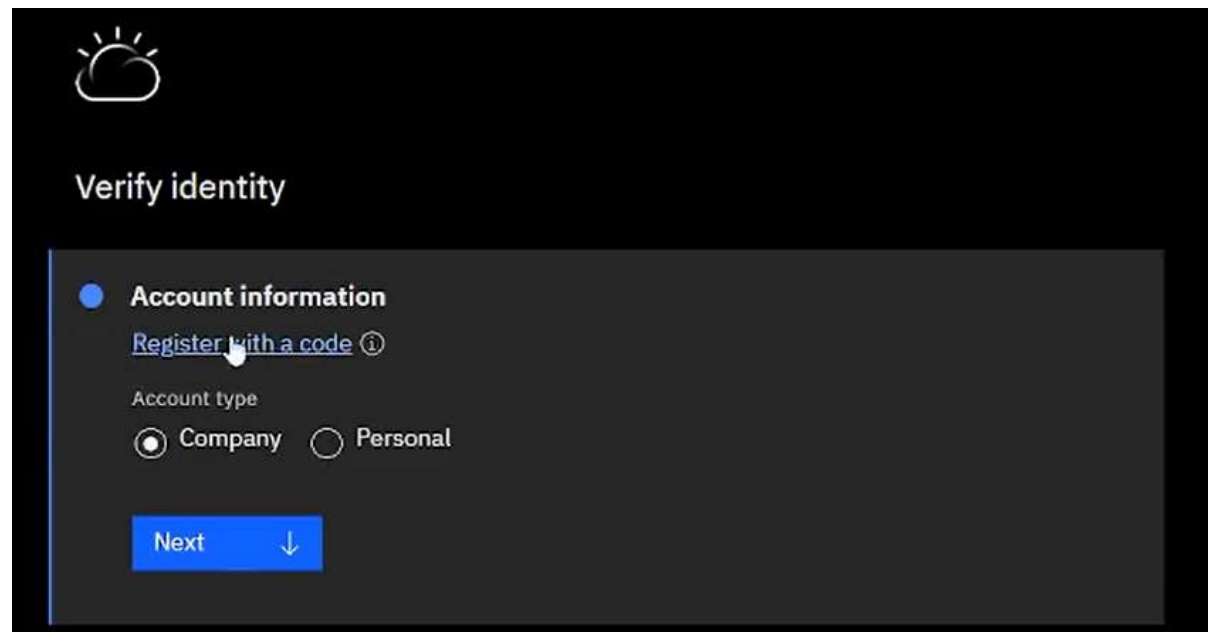
Feature Code (External resource)

Open TfpqL

- <https://cloud.ibm.com/registration>

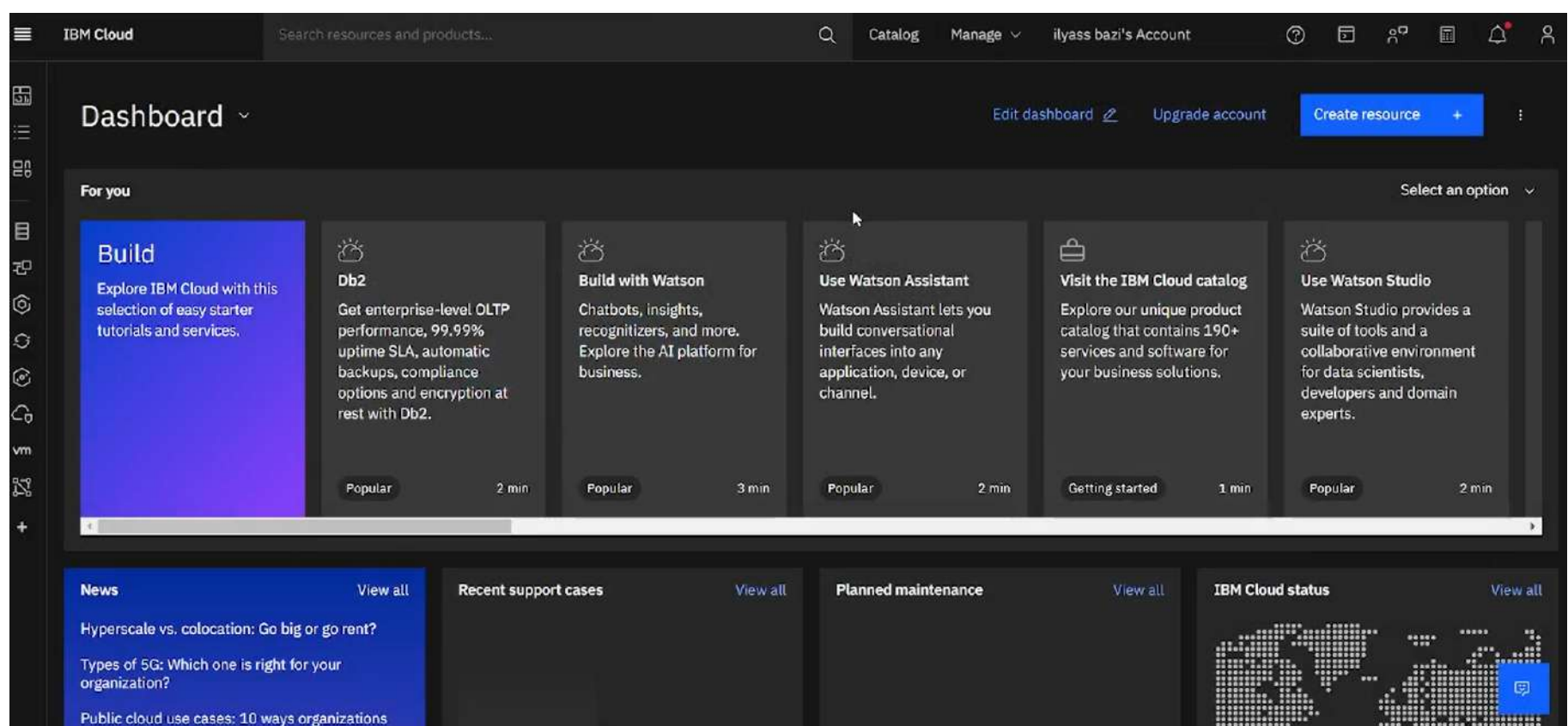


- after completing your account information, verifying your account and accepting the terms of use **you dont need to fill bank account since you have the IBM Watson code you can register using code**

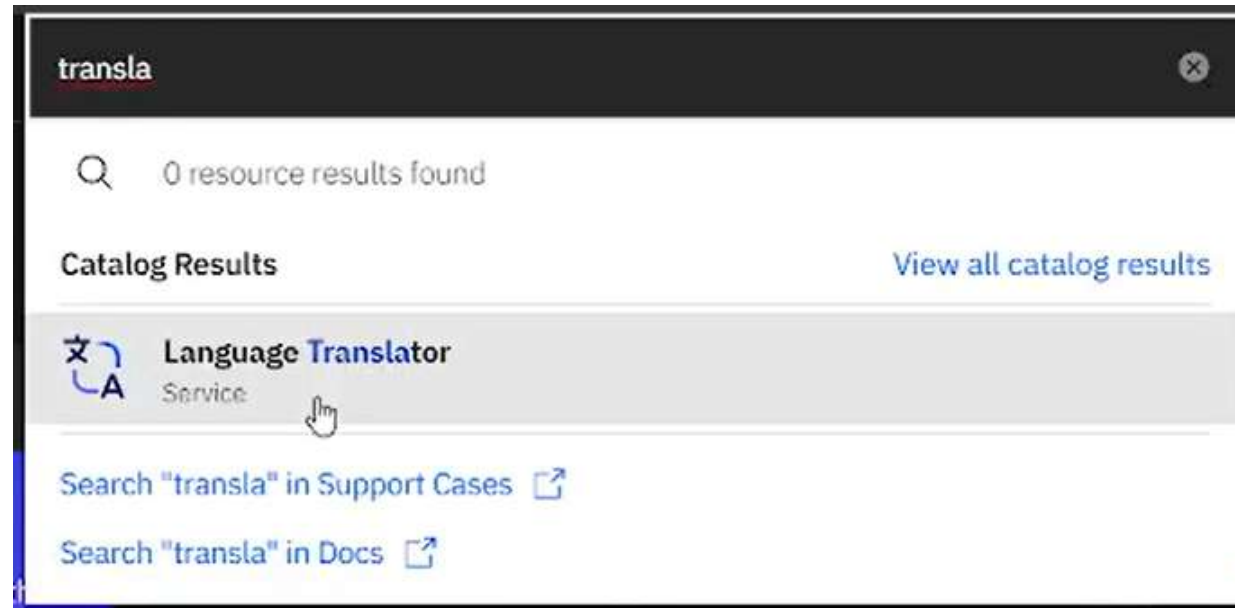


Translation Service

- After login to your **IBM** account you'll see a Dashboard of IBM services suggestion



- in Search tab look for **Language translator**



- choose the free plan , agree on terms & click on create

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

| Plan | Features and capabilities | Pricing |
|----------|---|--|
| Lite | <p>Translate up to 1,000,000 Characters per Month</p> <p>Identify up to 76 languages with Language Identification</p> <p>Document Translation supporting 23 file types - Maximum file size: 2 Mb</p> <hr/> <p>The Lite plan gets you started with 1,000,000 characters per month at no cost and includes the default translation models. When you upgrade to a Premium or Advanced plan, you can create custom models. Lite plan services are deleted after 30 days of inactivity.</p> <p>Lite plan services are deleted after 30 days of inactivity.</p> | Free |
| Standard | <p>Everything in Lite plus...</p> <p>Removal of monthly 1M character translation limit</p> <p>First 250,000 characters are free</p> <p>Document Translation - Maximum file size: 20 Mb</p> | \$0.02 USD/THOUSAND CHAR |
| Advanced | <p>Everything in Standard plus...</p> <p>Build Domain Specific Custom Models (Pro-Rated Daily)</p> <p>Service Endpoints</p> | \$0.02 USD/THOUSAND CHAR \$0.08 USD/THOUSAND CHAR \$15.00 USD/INSTANCE MONTH |
| Premium | <p>Everything in Advanced plus...</p> <p>Usage and Training Data is Private + Stored in an Isolated Single Tenant Environment</p> | |

Summary

Language Translator **Free**

Location: Sydney

Plan: Lite

Service name: Language Translator-i4

Resource group: Default

☒ I have read and agree to the following license agreements: [Terms](#)

Create

Add to estimate

- Now you should see your **API identifiers**, which you can either copy into the code or download and load into the file, the choice is yours.

[Resource list](#) /

Language Translator-i4

Active
[Add tags](#)

Manage

- Getting started
- Service credentials
- Plan

Start by viewing the tutorial

[Getting started tutorial](#)
[API reference](#)

Credentials

[Download](#)
[Show credentials](#)

API key:

.....

Copy

URL

https://api.au-syd.language-translator.watson.cloud.ibm.com/instanc

Copy

Implementation / consuming a service

for more information about api visite:

- <https://cloud.ibm.com/docs/language-translator>

- first we need to install lib

```
# for ibm watson tools
!py -m pip install ibm_watson
# for tikenter customization / themes
!py -m pip install ttkthemes
```

- translate function that will take input & translate it base on target Lang & you need to specify (**credentials**):

- `url`
- `api key`

```
def translate():
    source_lang = left_drag_drop.get()
    target_lang = right_drag_drop.get()
    text_to_translate = left_text.get("1.0", tk.END).strip()

    if text_to_translate:
        headers = {
            "Content-Type": "application/json",
            "Accept": "application/json"
        }
        url = <your-url>
        auth = ("apikey", <your-api-key>)
        data = {
            "text": [text_to_translate],
            "source": source_lang,
            "target": target_lang
        }

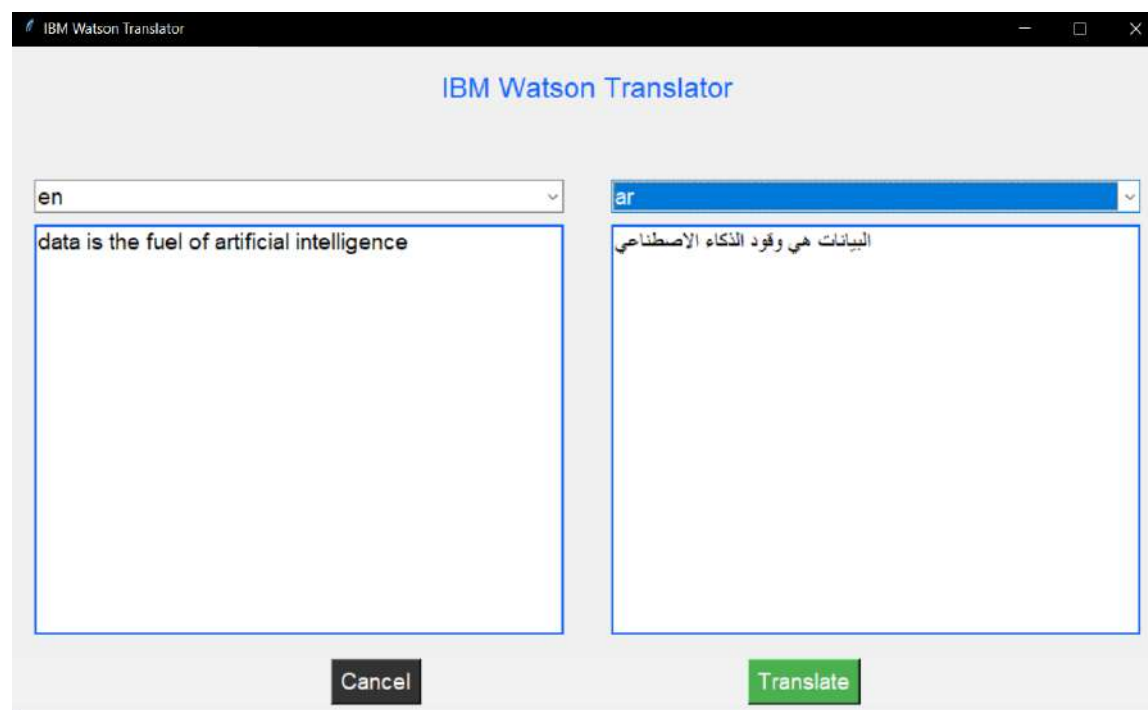
        response = requests.post(url, headers=headers, auth=auth,
json=data)
        if response.status_code == 200:
            translated_text = response.json()["translations"][0]
["translation"]
            right_text.delete("1.0", tk.END)
            right_text.insert(tk.END, translated_text)
        else:
            right_text.delete("1.0", tk.END)
            right_text.insert(tk.END, "Error: Translation Failed")
```

Implementation with 2 versions of code

- Implementation v1

sample of languaged

| Language | Language code |
|-----------------------|---------------|
| Arabic | ar |
| Korean | ko |
| Basque | eu |
| Latvian | lv |
| Bengali | bn |
| Lithuanian | lt |
| Bosnian | bs |
| Malay | ms |
| Bulgarian | bg |
| Malayalam | ml |
| Catalan | ca |
| Maltese | mt |
| Chinese (Simplified) | zh |
| Montenegrin | cnr |
| Chinese (Traditional) | zh-TW |
| Nepali | ne |
| Croatian | hr |
| Norwegian Bokmål | nb |
| Czech | cs |
| Polish | pl |
| Danish | da |
| Portuguese | pt |
| Dutch | nl |
| Romanian | ro |
| English | en |
| Russian | ru |
| Estonian | et |
| Serbian | sr |
| Finnish | fi |
| Sinhala | si |
| French | fr |
| Slovak | sk |
| French (Canadian) | fr |
| Slovenian | sl |
| German | de |
| Spanish | es |
| Greek | el |
| Swedish | sv |
| Gujarati | gu |
| Tamil | ta |
| Hebrew | he |
| Telugu | te |
| Hindi | hi |
| Thai | th |
| Hungarian | hu |
| Turkish | tr |
| Irish | ga |



| Language | Language code |
|------------|---------------|
| Ukrainian | uk |
| Indonesian | id |
| Urdu | ur |
| Italian | it |
| Vietnamese | vi |
| Japanese | ja |
| Welsh | cy |

- Implementation v2

