```
import nlpcloud

client = nlpcloud.Client("finetuned-gpt-neox-20b", "2b58d7fb9af09e617ee525e78c7766b6d8c5bb61", gpu=True, lang="en")
client.entities("""John Doe started learning Javascript when he was 15 years old. After a couple of years he switched to Python and starter l
```

```
{'entities': [{'start': 26,
   'end': 36,
   'type': 'programming languages',
   'text': 'javascript'},
  {'start': 102,
   'end': 108,
   'type': 'programming languages',
   'text': 'python'},
  {'start': 165, 'end': 167, 'type': 'programming languages', 'text': 'go'}]}
```

```
pip install nlpcloud
# https://nlpcloud.com/home/playground/language-detection
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting nlpcloud
  Downloading nlpcloud-1.0.34-py3-none-any.whl (4.4 kB)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from nlpcloud) (2.23.0)
Requirement already satisfied: chardet<4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests->nlpcloud) (3.0.4)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests->nlpcloud) (2.10)
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests->nlpclou
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests->nlpcloud) (2022.9.24)
Installing collected packages: nlpcloud
Successfully installed nlpcloud-1.0.34
```

```
import nlpcloud

client = nlpcloud.Client("distilbert-base-uncased-emotion", "2b58d7fb9af09e617ee525e78c7766b6d8c5bb61", gpu=False, lang="en")
client.sentiment("Look what's just come on the market in #ValThorens! A recently renovated, charming 6 bed duplex apartment in the heart of
```

```
{'scored_labels': [{'label': 'sadness', 'score': 0.0001777907891664654},
  {'label': 'joy', 'score': 0.9987751841545105},
  {'label': 'love', 'score': 0.0004087708657607436},
  {'label': 'anger', 'score': 0.00012217740004416555},
  {'label': 'fear', 'score': 0.00011809932038886473},
  {'label': 'surprise', 'score': 0.00039798437501303855}]}
```

```
import nlpcloud

client = nlpcloud.Client("distilbert-base-uncased-emotion", "2b58d7fb9af09e617ee525e78c7766b6d8c5bb61", gpu=False, lang="en")
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  {'label': 'joy', 'score': 0.9987751841545105},
  {'label': 'love', 'score': 0.00040877042920328677},
  {'label': 'anger', 'score': 0.00012217740004416555},
  {'label': 'fear', 'score': 0.00011809932038886473},
  {'label': 'surprise', 'score': 0.00039798396755941211}]}
```

```
import nlpcloud

client = nlpcloud.Client("python-langdetect", "3126efa8746a8c9a683e757205437143fa015ec5")
client.langdetection("""Et il parle aussi un peu français.""")
```

```
---------------------------------------------------------------------------
HTTPError                                 Traceback (most recent call last)
/usr/local/lib/python3.7/dist-packages/nlpcloud/__init__.py in langdetection(self,
text)
    294         try:
--> 295             r.raise_for_status()
    296         except HTTPError as err:

 ---------------------------------- 2 frames ----------------------------------
HTTPError: 403 Client Error: Forbidden for url: https://api.nlpcloud.io/v1/python-
langdetect/langdetection

During handling of the above exception, another exception occurred:

HTTPError                                 Traceback (most recent call last)
/usr/local/lib/python3.7/dist-packages/nlpcloud/__init__.py in langdetection(self,
text)
    298                 raise HTTPError(str(err))
    299
--> 300             raise HTTPError(str(err) + ": " + str(r.text))
    301
    302         return r.json()
```

```
import nlpcloud

client = nlpcloud.Client("finetuned-gpt-neox-20b", "3126efa8746a8c9a683e757205437143fa015ec5", gpu=True, lang="en")
client.entities("""John Doe started learning Javascript when he was 15 years old. After a couple of years he switched to Python and starter
```

```
---------------------------------------------------------------------------
HTTPError                                 Traceback (most recent call last)
/usr/local/lib/python3.7/dist-packages/nlpcloud/__init__.py in entities(self, text,
searched_entity)
    178         try:
--> 179             r.raise_for_status()
    180         except HTTPError as err:

 ---------------------------------- 2 frames ----------------------------------
HTTPError: 403 Client Error: Forbidden for url:
https://api.nlpcloud.io/v1/gpu/finetuned-gpt-neox-20b/entities

During handling of the above exception, another exception occurred:

HTTPError                                 Traceback (most recent call last)
/usr/local/lib/python3.7/dist-packages/nlpcloud/__init__.py in entities(self, text,
searched_entity)
    182                 raise HTTPError(str(err))
    183
--> 184             raise HTTPError(str(err) + ": " + str(r.text))
    185
    186         return r.json()
```

```
!pip install nlpcloud
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting nlpcloud
  Downloading nlpcloud-1.0.34-py3-none-any.whl (4.4 kB)
Requirement already satisfied: requests in /usr/local/lib/python3.7/dist-packages (from nlpcloud) (2.23.0)
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Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests->nlpcloud) (2022.9.24)
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests->nlpclou
Installing collected packages: nlpcloud
Successfully installed nlpcloud-1.0.34
```

```
import nlpcloud

class NLPApp:

  def __init__(self):

    self.__database = {}
    self.__first_menu()

  def __first_menu(self):

    first_input = input("""
    Hi! how would you like to proceed?
    1. Not a member? Register
    2. Already a member? Login
    3. Galti se aa gaye? Exit
    """)

    if first_input == '1':
      self.__register()
    elif first_input == '2':
      self.__login()
    else:
      exit()

  def __second_menu(self):

    second_input = input("""
    Hi! how would you like to proceed?
    1. NER
    2. Language Detection
    3. Sentiment Analysis
    4. Logout
    """)

    if second_input == '1':
      self.__ner()
    elif second_input == '2':
      self.__language_detection()
    elif second_input == '3':
      self.__sentiment_analysis()
    else:
      exit()

  def __register(self):
    name = input('enter name')
    email = input('enter email')
    password = input('enter password')

    if email in self.__database:
      print('email already exists')
    else:
      self.__database[email] = [name,password]
      print('registration successful.Now login')
      print(self.__database)
      self.__first_menu()


  def __login(self):

    email = input('enter email')
    password = input('enter password')

    if email in self.__database:
      if self.__database[email][1] == password:
        print('login successful')
        self.__second_menu()
      else:
        print('wrong password.Try again')
        self.__login()
    else:
      print('This email is not registered')
      self.__first_menu()

  def __sentiment_analysis(self):
    para = input('enter the paragraph')
```

```
    client = nlpcloud.Client("distilbert-base-uncased-emotion", "2b58d7fb9af09e617ee525e78c7766b6d8c5bb61", gpu=False, lang="en")
    response = client.sentiment(para)

    L = []
    for i in response['scored_labels']:
      L.append(i['score'])

    index = sorted(list(enumerate(L)),key=lambda x:x[1],reverse=True)[0][0]

    print(response['scored_labels'][index]['label'])
    self.__second_menu()


obj = NLPApp()


        Hi! how would you like to proceed?
        1. Not a member? Register
        2. Already a member? Login
        3. Galti se aa gaye? Exit
        1
    enter namenitish
    enter emailnitish@gmail.com
    enter password1234
    registration successful.Now login
    {'nitish@gmail.com': ['nitish', '1234']}

        Hi! how would you like to proceed?
        1. Not a member? Register
        2. Already a member? Login
        3. Galti se aa gaye? Exit
        2
    enter emailnitish@gmail.com
    enter password1234
    login successful

        Hi! how would you like to proceed?
        1. NER
        2. Language Detection
        3. Sentiment Analysis
        4. Logout
        3
    enter the paragraphThis isn't just a beautifully crafted gangster film. Or an outstanding family portrait, for that matter. An amazing p
    joy

        Hi! how would you like to proceed?
        1. NER
        2. Language Detection
        3. Sentiment Analysis
        4. Logout
        3
    enter the paragraphrb
    anger

        Hi! how would you like to proceed?
        1. NER
        2. Language Detection
        3. Sentiment Analysis
        4. Logout
        7
```

```
d = {'scored_labels': [{'label': 'sadness', 'score': 0.98093181848526}, {'label': 'joy', 'score': 0.001407247269526124}, {'label': 'love', 's
```

```
d
```

```
{'scored_labels': [{'label': 'sadness', 'score': 0.98093181848526},
  {'label': 'joy', 'score': 0.001407247269526124},
  {'label': 'love', 'score': 0.0004157320945523679},
  {'label': 'anger', 'score': 0.01649504341185093},
  {'label': 'fear', 'score': 0.0003967937955167144 5},
  {'label': 'surprise', 'score': 0.00035347335506230593}]}
```

```
L = []
for i in d['scored_labels']:
  L.append(i['score'])

index = sorted(list(enumerate(L)),key=lambda x:x[1],reverse=True)[0][0]
```

```
d['scored_labels'][index]['label']
```

```
'sadness'
```

```
import emoji
print(emoji.emojize('Python is :grinning_face:'))
```

```
Python is 😀
```

```
!pip install emoji
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting emoji
  Downloading emoji-2.2.0.tar.gz (240 kB)
     |████████████████████████████████| 240 kB 15.2 MB/s
Building wheels for collected packages: emoji
```