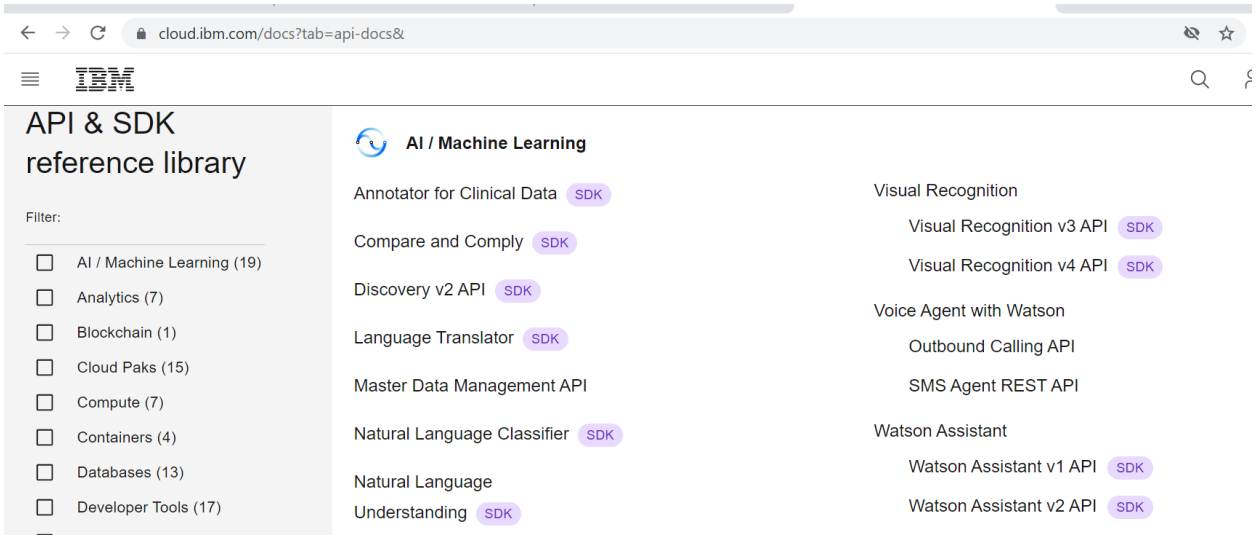
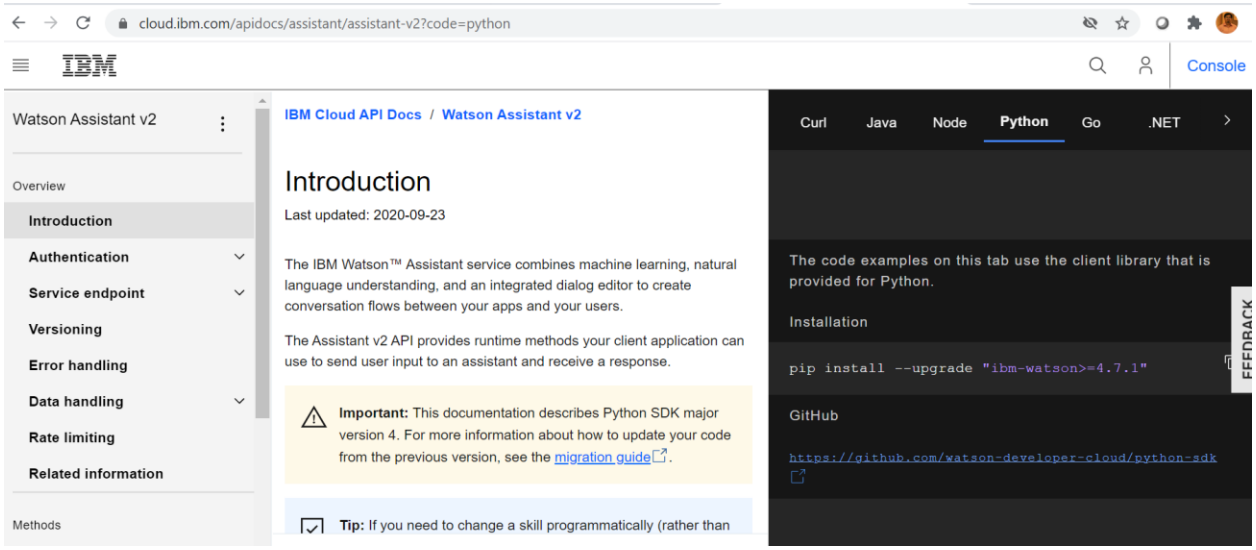
Step 1: open cloud.ibm.com/docs

Step 2: select Watson Assistant v2 API



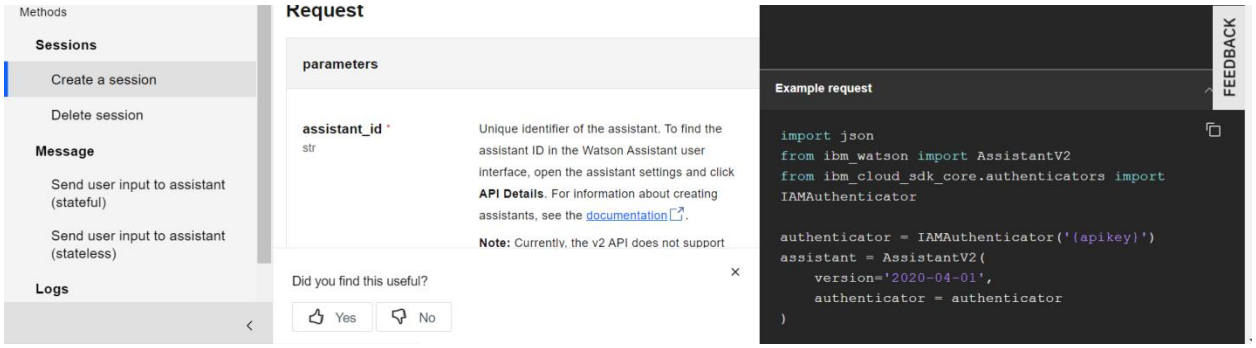
Step 3: Install below shown library by coping



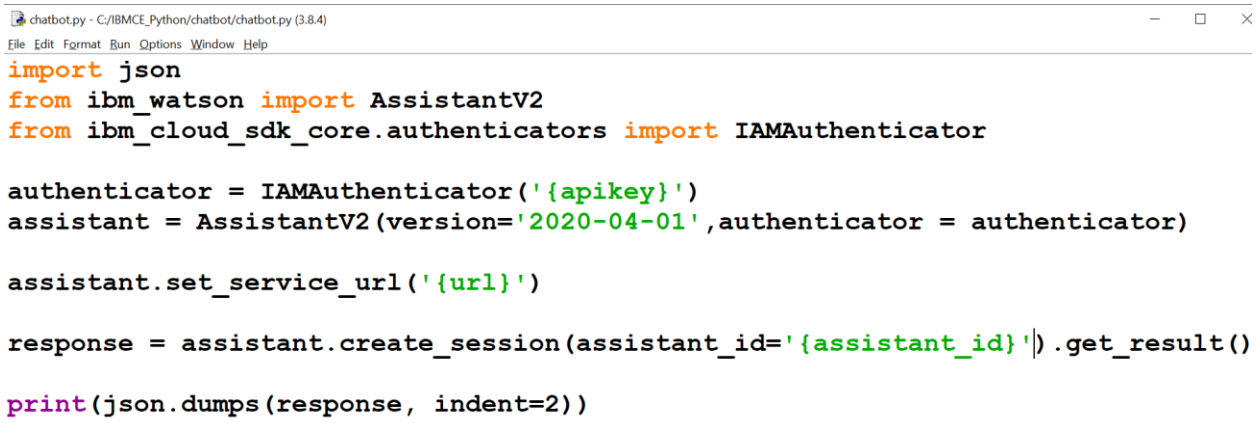
Step 4: goto cmd, python path and paste like below

```
C:\Python38\Scripts>pip install --upgrade "ibm-watson>=4.7.1"
Collecting ibm-watson>=4.7.1
  Downloading ibm-watson-4.7.1.tar.gz (385 kB)
     |████████████████████████████████| 385 kB 1.7 MB/s
```

Step 5: Create a session

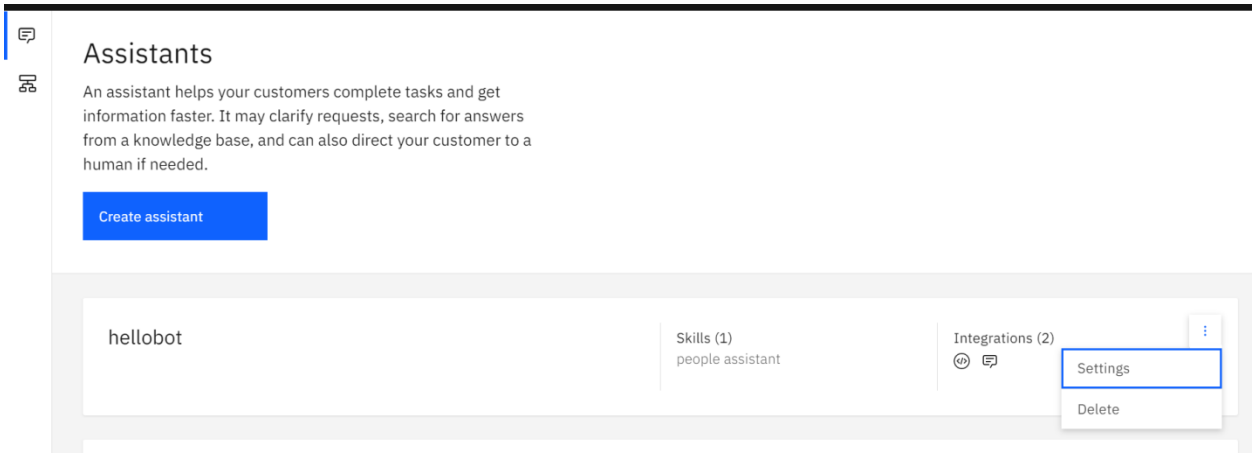


Step 6: copy the RHS code into a python file

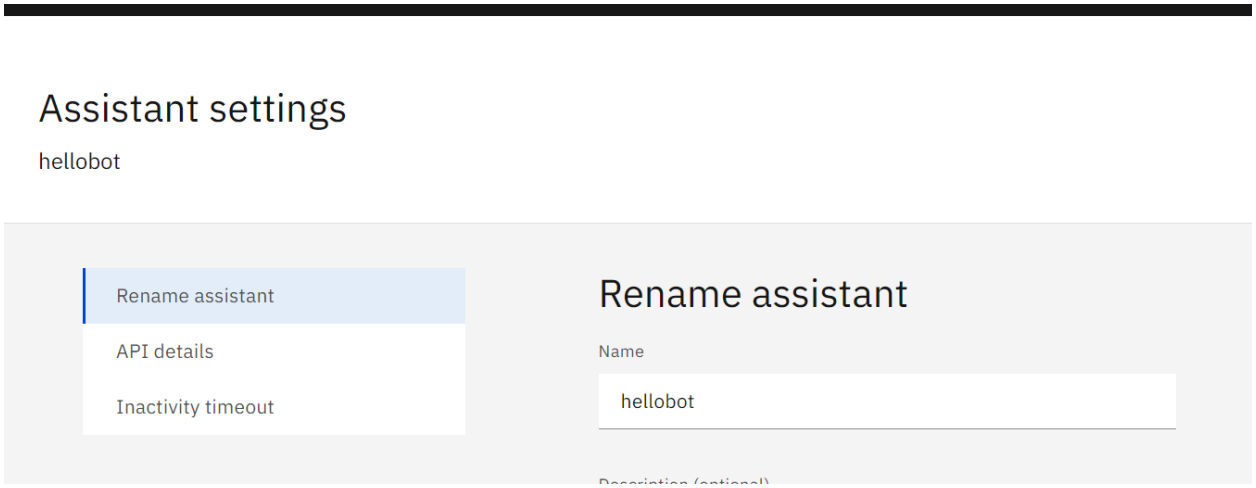


Step 7: Replace apikey, url and assistant_id with actual values

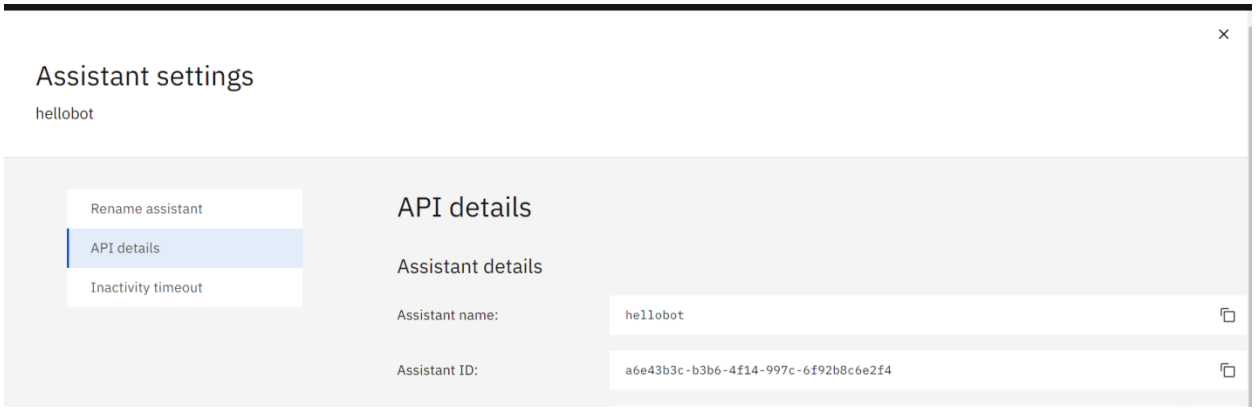
Step 8: Goto Assistant settings -> API Details -> Assistant ID



Step 9: Click on API details



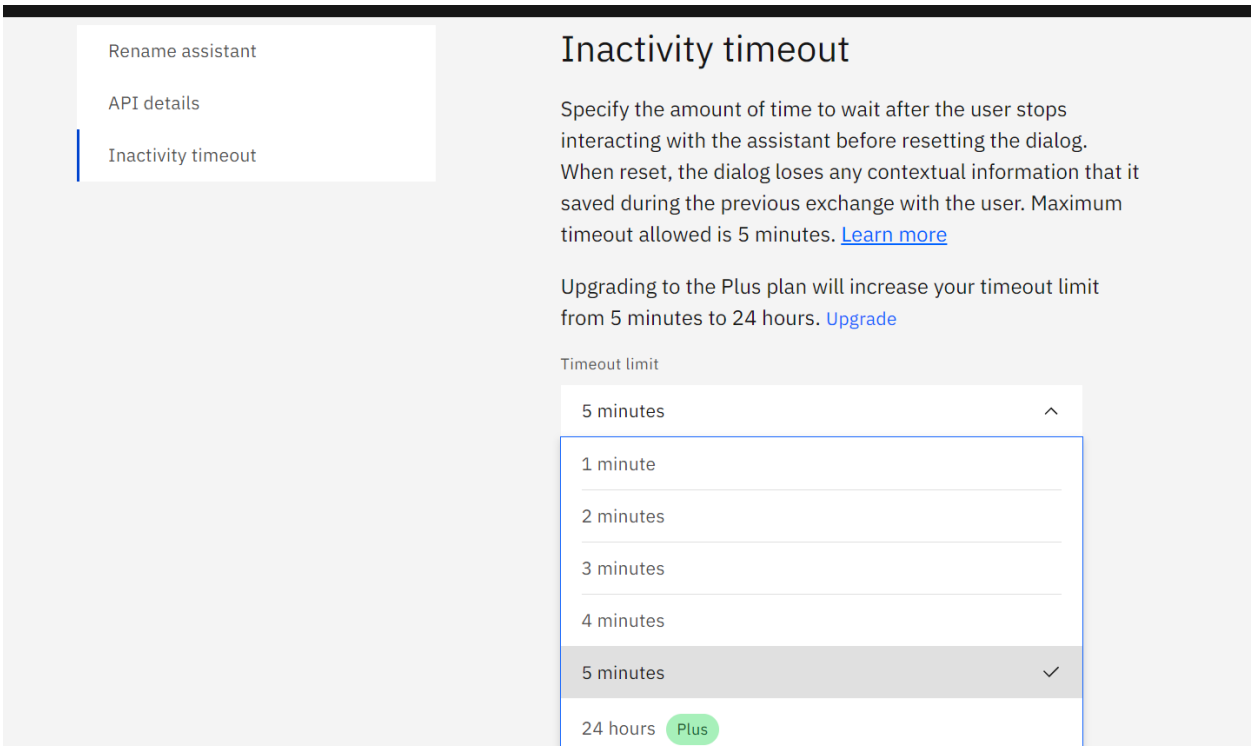
Step 10: Copy the Assistant ID and paste in Python code



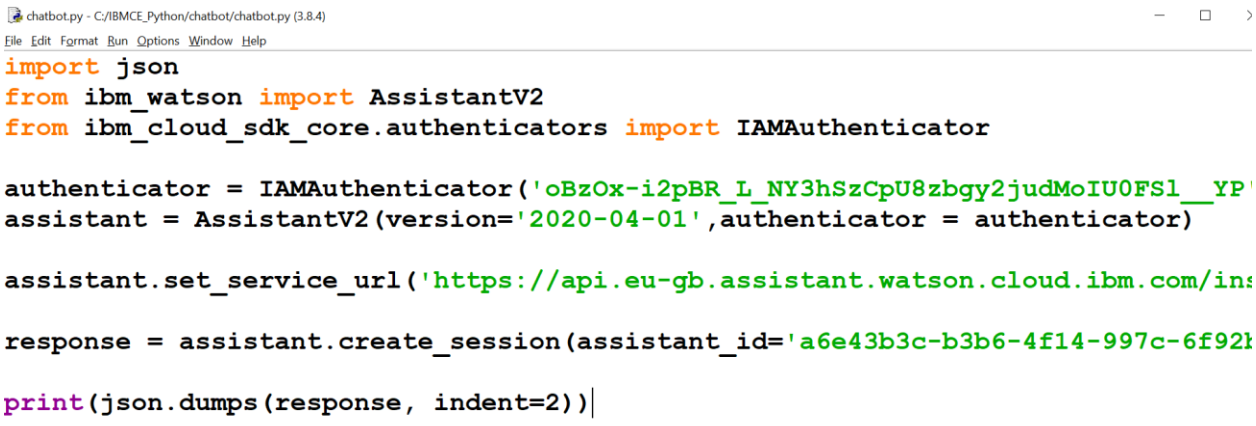
Session gets delete for every certain period

Step 11: Click on Inactivity timeout and understand the Timeout limit

Note: Because our accounts are free accounts we cannot increase the time limit



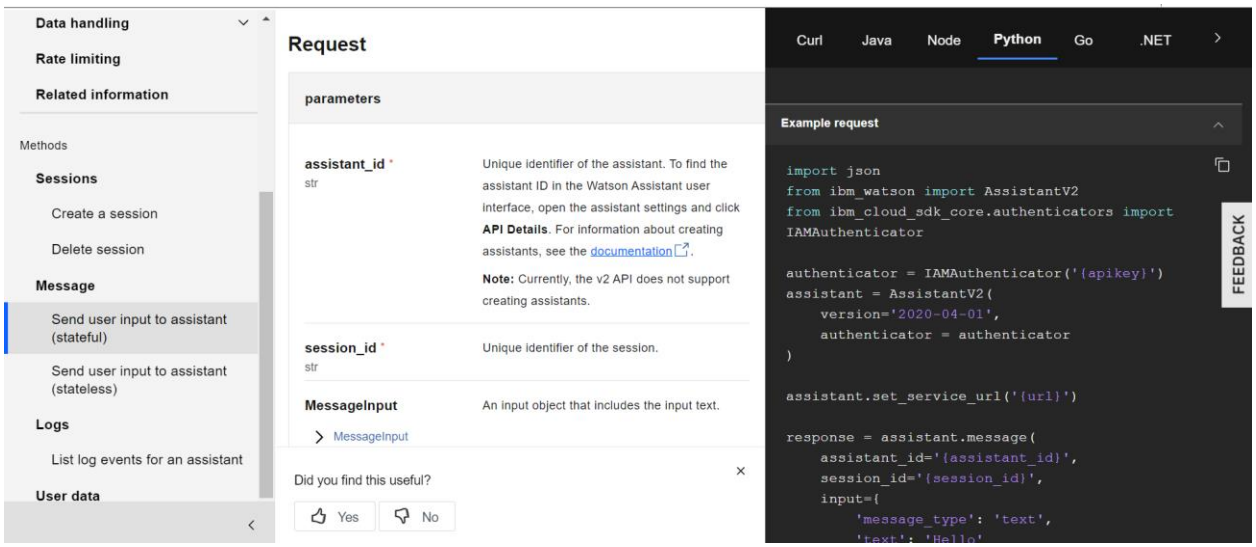
Step 12: Run the below code by click f5



Step 13: Ensure output should be like below with session id, copy and paste in notepad

```
================== RESTART: C:/IBMCE_Python/chatbot/chatbot.py ==
{
  "session_id": "0d86a079-40f9-4792-a639-47a963b5fd5b"
}
>>>
```

Step 14: select Send user input to assistant (statefull), copy the code



Step 15: Paste the code in new python file

untitled

File Edit Format Run Options Window Help

```
import json
from ibm_watson import AssistantV2
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

authenticator = IAMAuthenticator('{apikey}')
assistant = AssistantV2(
    version='2020-04-01',
    authenticator = authenticator
)

assistant.set_service_url('{url}')

response = assistant.message(
    assistant_id='{assistant_id}',
    session_id='{session_id}',
    input={
        'message_type': 'text',
        'text': 'Hello'
    }
).get_result()
```

Step 16: Replace 4 details (session id extra got included) and execute the code you will see below error

```
ı.ApiException: Error: Invalid Session, Code: 4
:0c8448-e624-4c6e-9b9d-6f4f8e2e2736
```

Step 17: Re execute previoud python file so that you will get output with latest session id, copy that new session id in above code and execute. You will get the output like below

```
>>>
================ RESTART: C:/IBMCE_Python/chatbot/chatbot2.py =====
{
  "output": {
    "intents": [
      {
        "intent": "Greetings",
        "confidence": 1
      }
    ],
    "entities": [],
    "generic": [
      {
        "response_type": "text",
        "text": "Hi"
      }
    ]
  }
}
```

Step 18: change input to “can you take order”

```
response = assistant.message(
    assistant_id='a6e43b3c-b3b6-4f14-997c-6f92b8c6e2f4',
    session_id='78454076-1672-4323-956a-f83e578283e7',
    input={
        'message_type': 'text',
        'text': 'can you take order'
    )
```

Step 19: Now execute code you can see result like below

```
================ RESTART: C:/IBMCE_Python/chatbot/chatbot2.py
{
  "output": {
    "intents": [
      {
        "intent": "order",
        "confidence": 0.25960035305124907
      }
    ],
    "entities": [],
    "generic": [
      {
        "response_type": "text",
        "text": "what do you want to order"
      }
    ]
  }
```