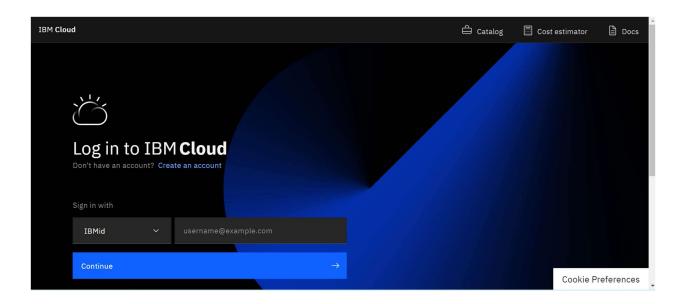
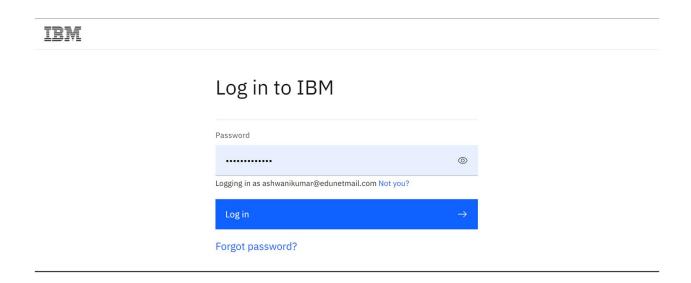
# **Natural Language Understanding in IBM Cloud**

Step1 : Login into IBM cloud using this link <a href="cloud.ibm.com">cloud.ibm.com</a>

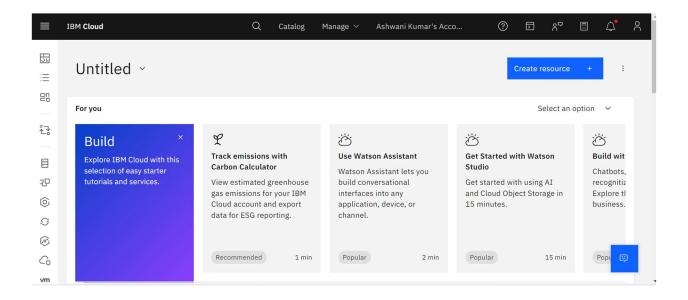


## Step2: Enter your credentials and login.

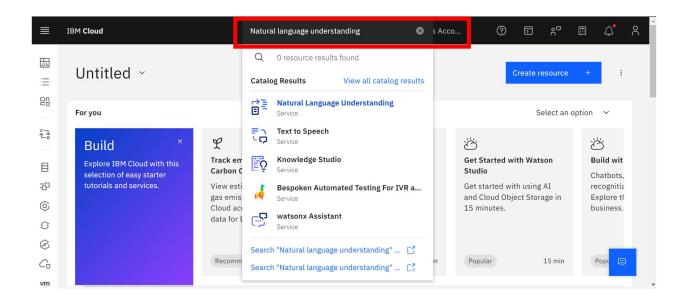




#### Step3: This is your IBM Cloud Dashboard.

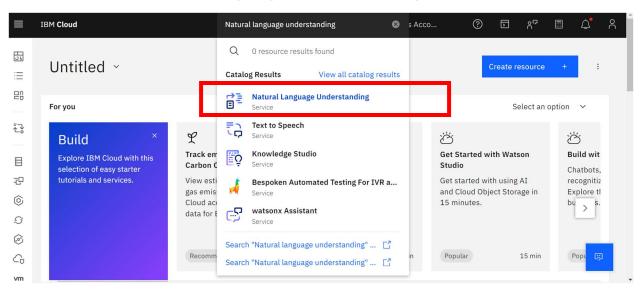


## Step4: Click on search icon and type "Natural language understanding.

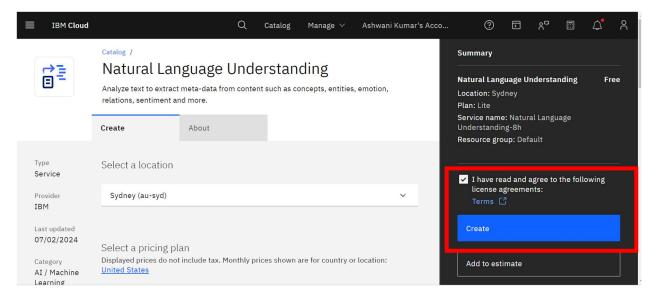




## **Step5**: Select Natural language understanding service.

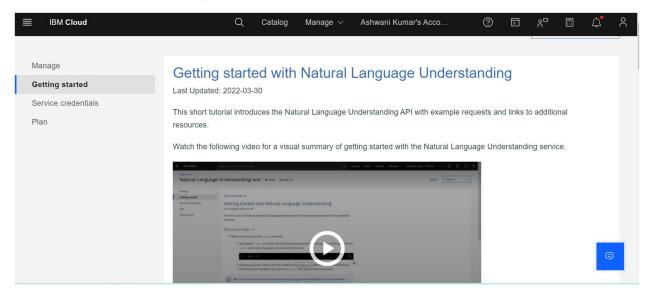


## Step6: click on checkbox and click on Create.

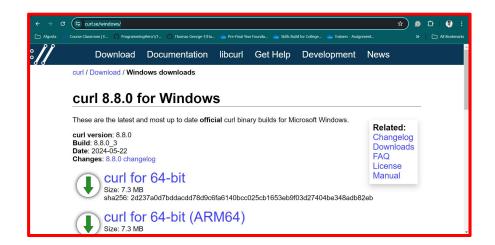




# Step7: scroll this page a little and watch video.

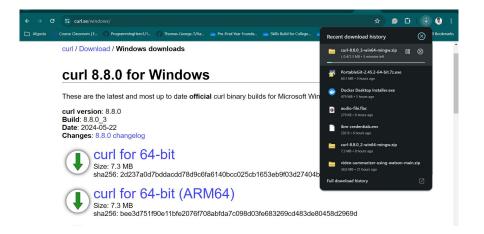


Step 8: Install the curl into your system using this link <a href="https://curl.se/windows/">https://curl.se/windows/</a>
Click on "curl for 64 – bit"





### Step9: Curl file is downloading



Step10 : Open the downloaded folder, in that open "bin" folder and copy the path.

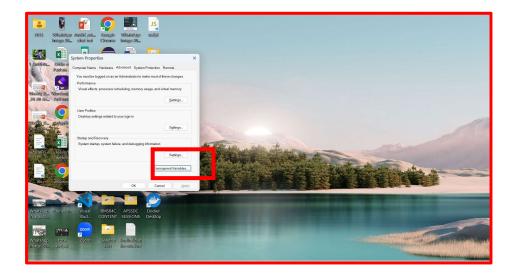




## Step11: Click on search icon and type environment variables. Open it

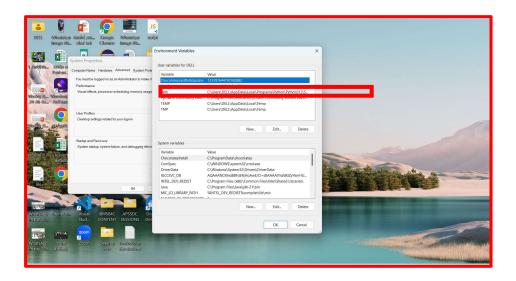


#### Step12: click on environment variables.

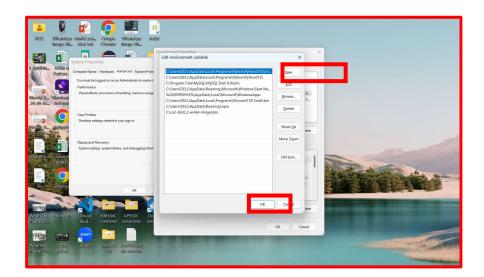




# Step13: Double click on path.

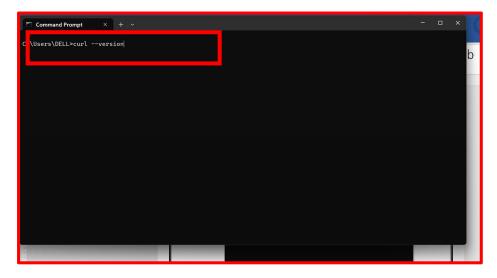


Step14: Click on New and paste the copied path of curl bin folder and click on OK





**Step15: Open the Command Prompt and type curl –version curl** 

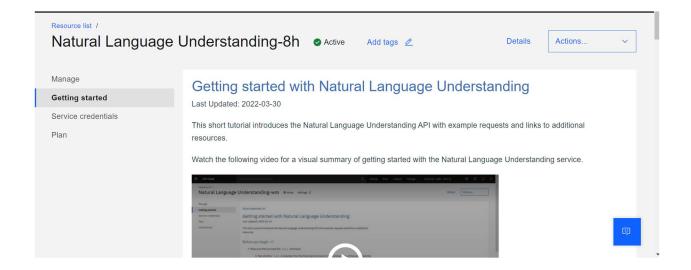


# Step 16 : Curl installed successfully.

```
C:\Users\DELL>curl --version
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```



#### Step17: go to this page and scroll a little this page.

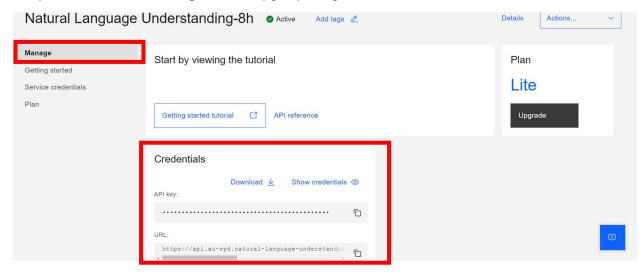


#### Step18: Copy this command and paste it in notepad.





#### Step19: Click on Manage and copy Api key and URL



Step20: Replace API Key and URL in copied command

curl -X POST -u "apikey: apikey}" --header "Content-Type: application/json" --data "{\"uri\":\"http://newsroom.ibm.com/Guerbet-and-IBM-Watson-Health-Announce-Strategic-Partnership-for-Artificial-Intelligence-in-Medical-Imaging-Liver\",\"features\":{\"sentiment\":{\},\"categories\":{\},\"concepts\":{\},\"entities\":{\},\"keywords\":{\}}\" "\"url\"v1/analyze?version=2019-07-12"

Step21: Now, Replace this webpage URL in above command.

https://www.cdc.gov/diabetes/php/data-research/index.html

curl -X POST -u "apikey:{apikey}" --header "Content-Type: application/json" --data "{\"url\":\"https://www.cdc.gov/diabetes/php/data-research/index.html\",\"features\":{\"sentiment\":{\},\"categories\":{\},\"concepts\":{\},\"entities\":{\},\"keywords\":{\}}\" "{url}/v1/analyze?version=2019-07-12"



#### Step22 :Copy above command and paste it in command prompt and click enter.

```
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

C:\Users\DELL>Curl V
curl: (6) Could not resolve host: V

C:\Users\DELL>Curl -V
curl 8.7.1 (Windows) libcurl/8.7.1 Schannel zlib/1.3 WinIDN

Release-Date: 2024-03-27

Protocols: dict file ftp ftps http https imap imaps ipfs ipns mgtt pop3 pop3s smb smbs smtp smtps telnet fttp
Features: alt-svc AsynchDNS HSTS HTTPS-proxy IDN IPv6 Kerberos Largefile libz NTLM SPNEGO SSL SSPI threadsafe Unicode Un
ixSockets

C:\Users\DELL>curl -X POST -u "apikey:01_Dfkuia-UuA3PONSzBL-8imSTq2wZUjX57LKZznkLn" --header "Content-Type: application/
json" --data "{"url\":\" https://www.cdc.gov/diabetes/php/data-research/index.html\",\"features\":\"\sentiment\":\"\},\"c
ategories\":\{\},\"concepts\":\{\},\"entities\":\{\},\"keywords\":\{\}\}" "https://api.au-syd.natural-language-understanding.wat
son.cloud.ibm.com/instances/4ebd7e6b-0142-4483-8277-408940636b68/v1/analyze?version-2019-07-12"
```

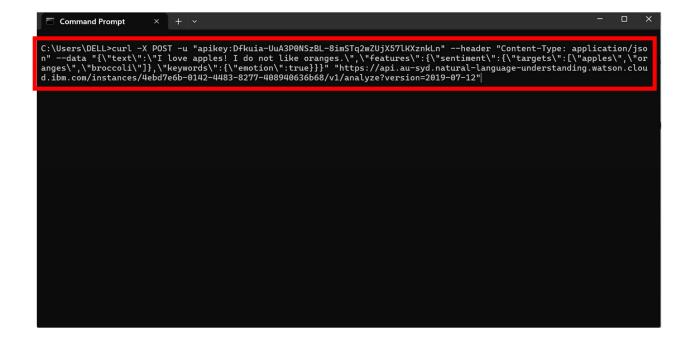
#### Step22: This is the output, we analyzed sentiment analysis, categories of webpage



Step23: Now we can analyze target phrases and keywords of individual text. Copy the below command and replace your API Key and URL.

curl -X POST -u "apikey: apikey}" --header "Content-Type: application/json" --data "{\"text\":\"I love apples! i do not like oranges.\",\"features\":{\"sentiment\":{\"targets\":[\"apples\",\"oranges\",\"broccoli\"]},\"ke ywords\":{\"emotion\":true}}}" "{url}/v1/analyze?version=2019-07-12"

Step24: Copy the above command and paste it in command prompt.





#### Step24: This is output, we analyzed phrases and keywords...

