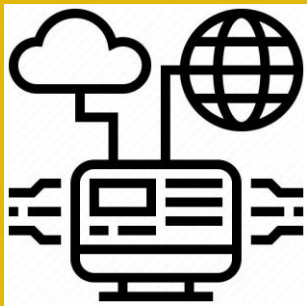


CAD ASSIGNMENT-01

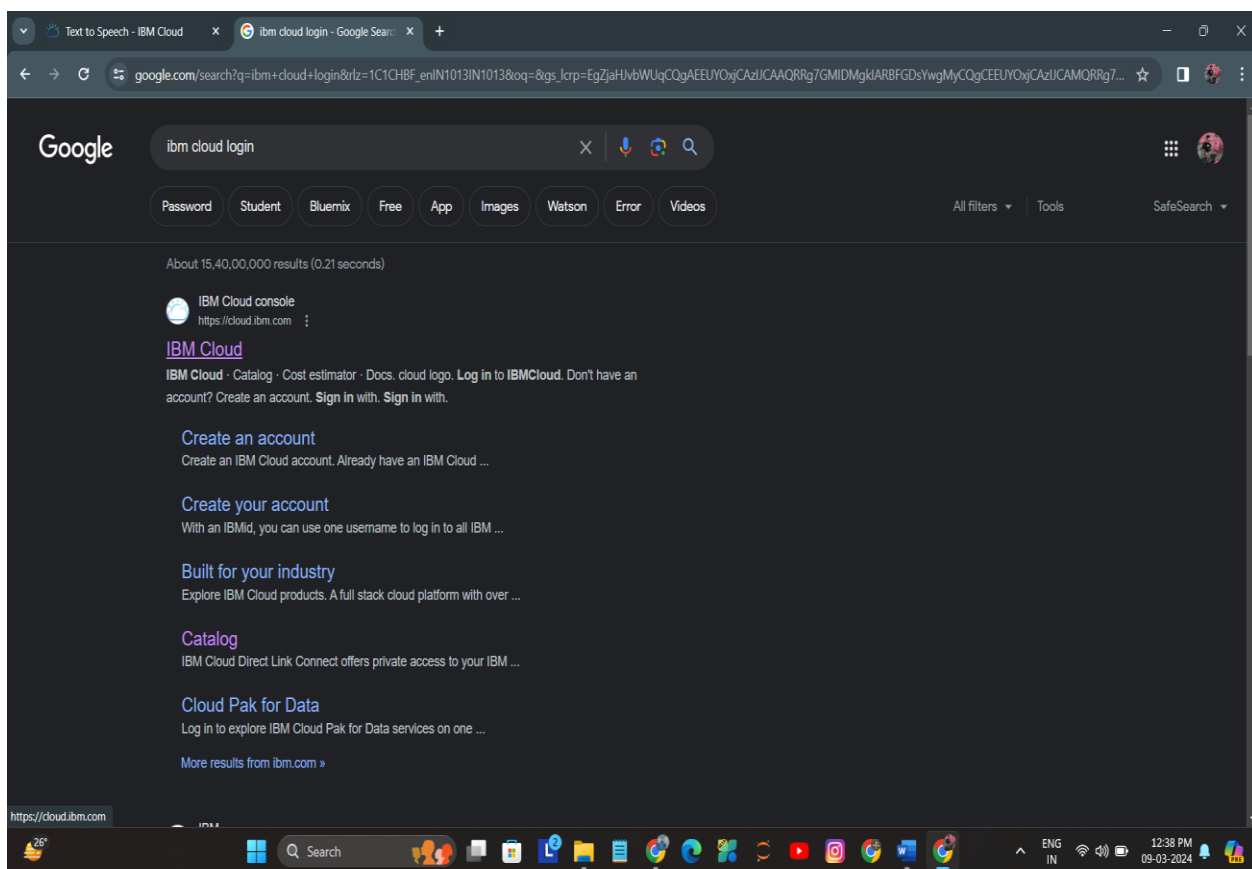


GANESH AGRAHARI
ROLL NO : 28
CLASS: BCA DS&AI-13

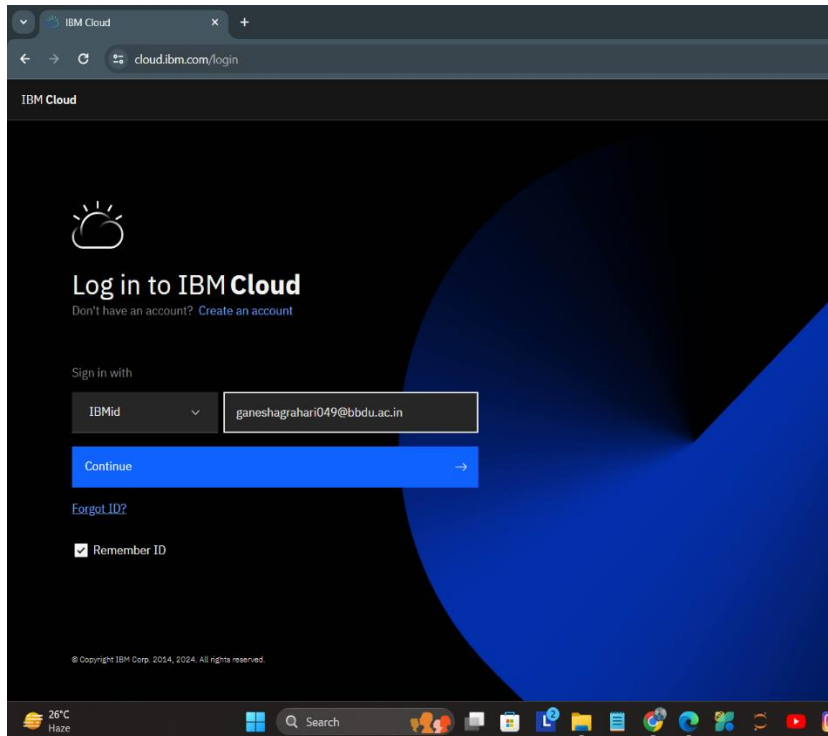
Question

Assignment of Text to Speech & Speech to Text.

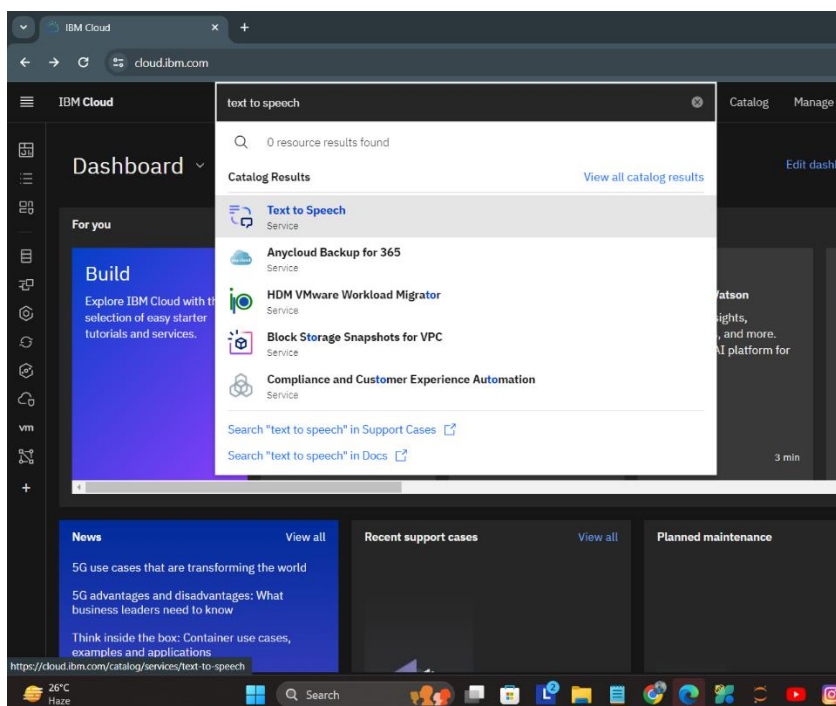
1. Step1:-You need to login your IBM cloud account via using your registered Email-id , Screen shot is given below.



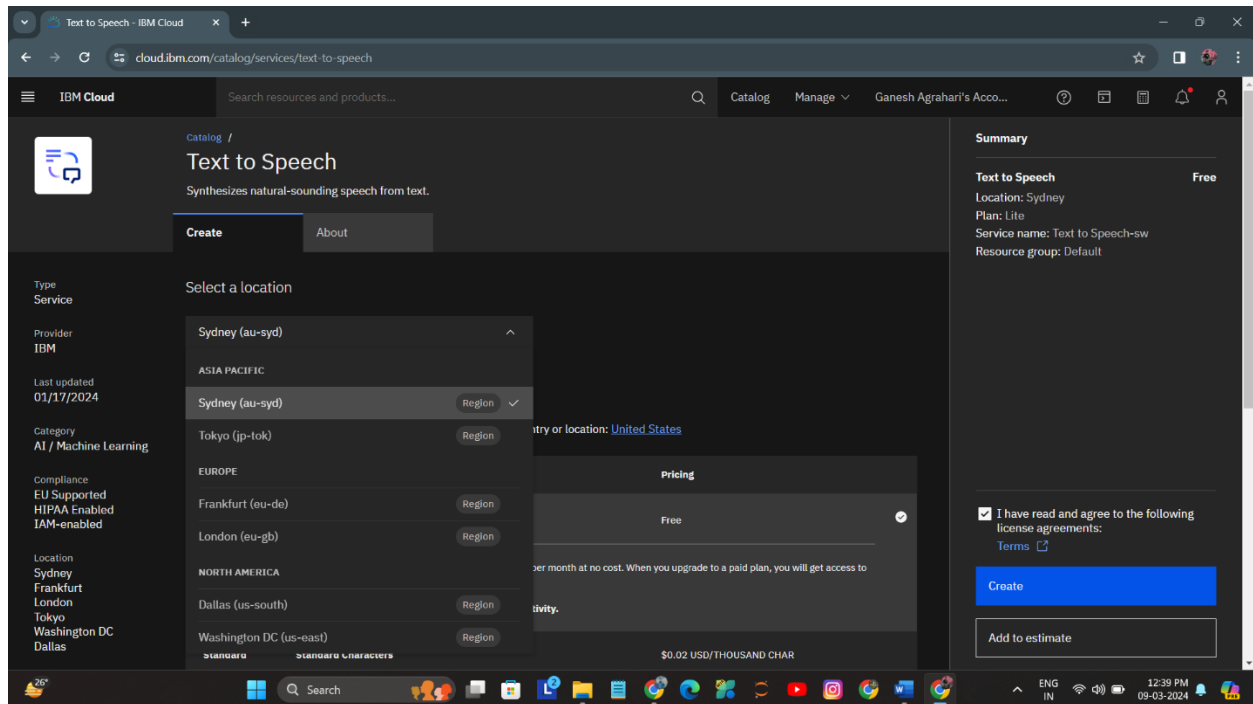
You have to click on first weblink as you can see. And than login via using your registered Email-id



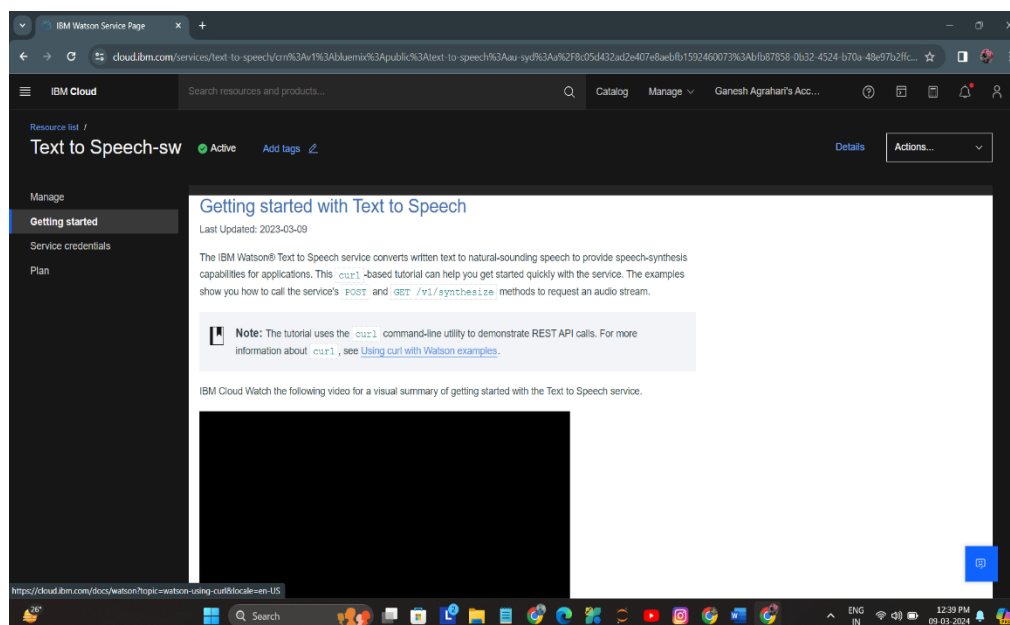
2. Step2:-After login dashboard page will appear, You have to search “Text to speech” in the search box



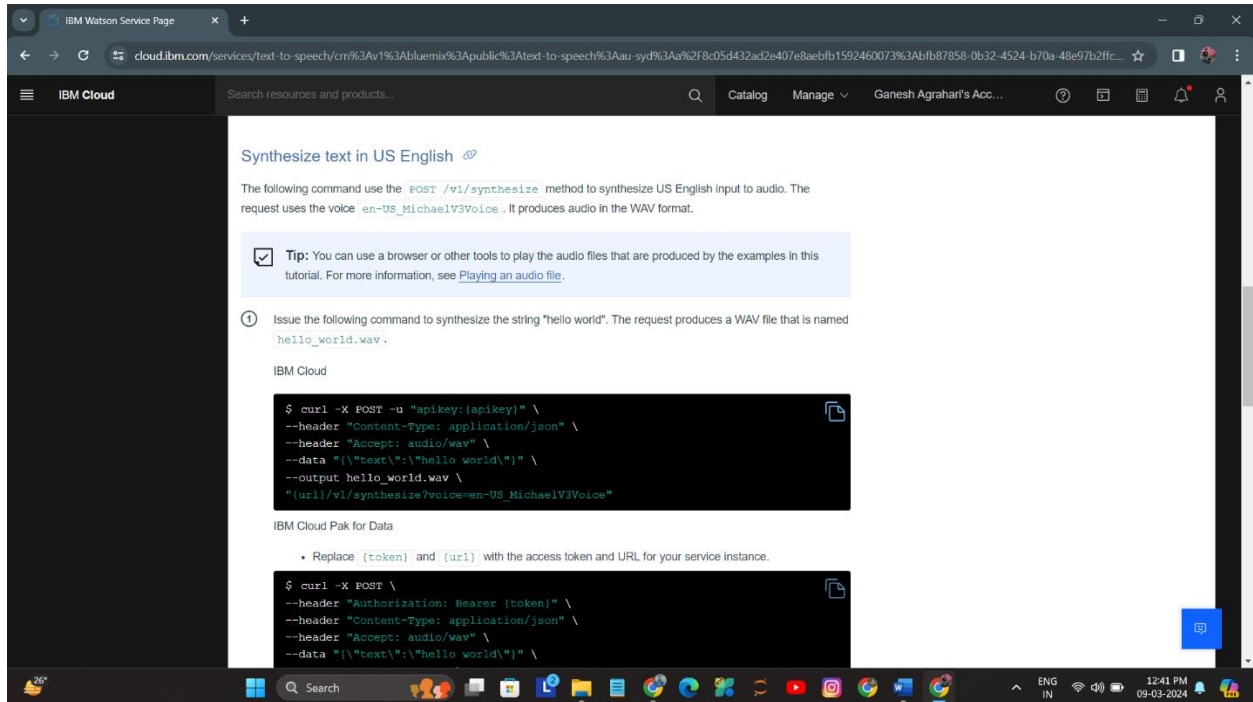
3. Step3:- A text to speech service catalog will appear you have to select location or leave it as default and accept term and condition and click on create.



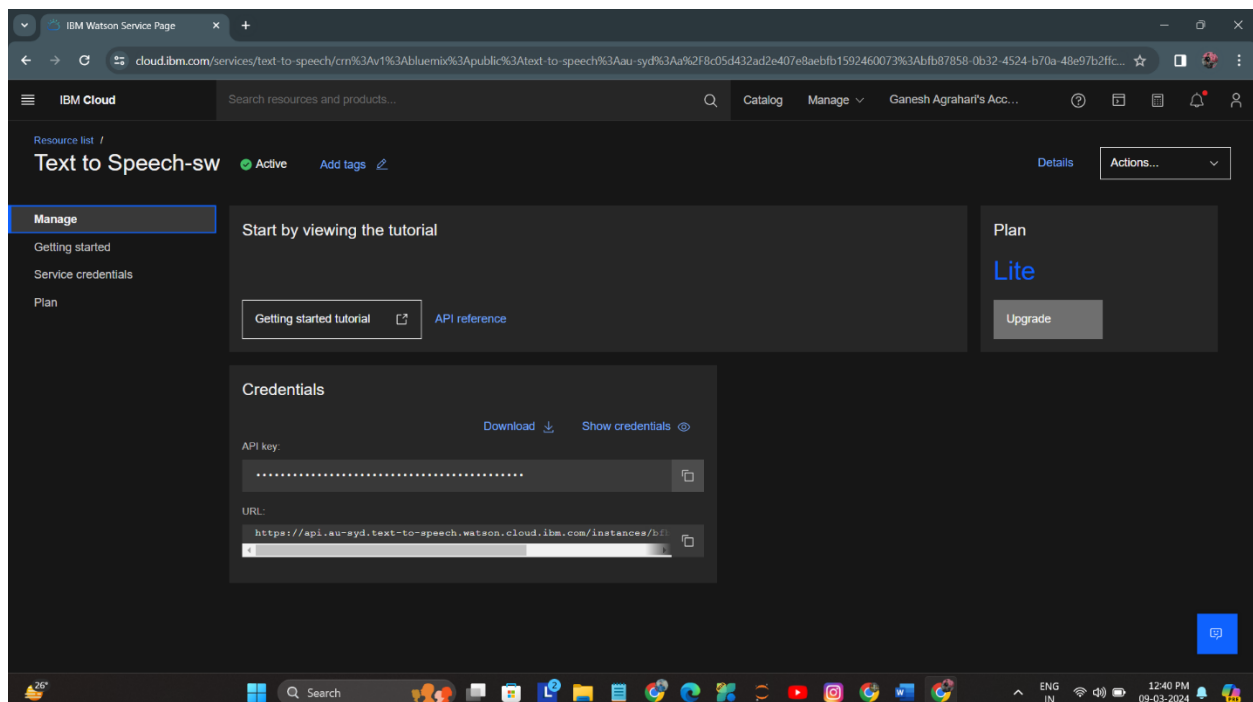
4. Step4:- Getting start page will appear . you need to scroll down and copy the IBM code .



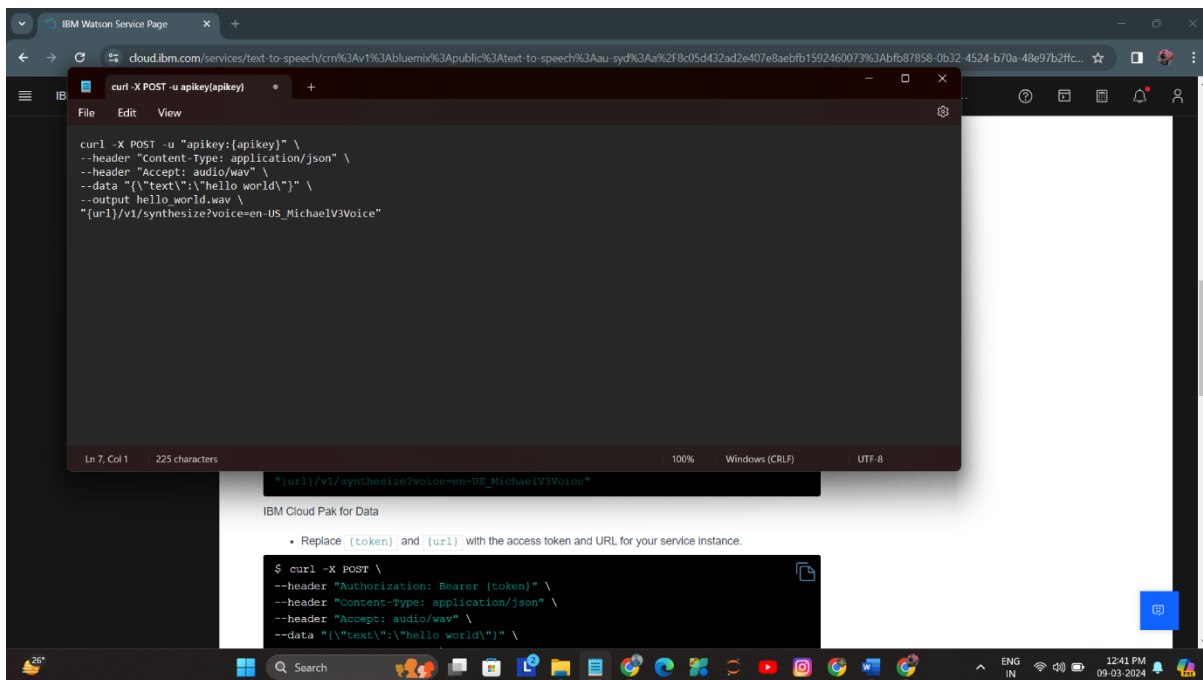
Copy the give first code in your clipboard.



Step5:- Goto manage section and copy your API key and URL in your clipboard.



6.Step6:- Open notepad than paste that code that you copy as IBM code.



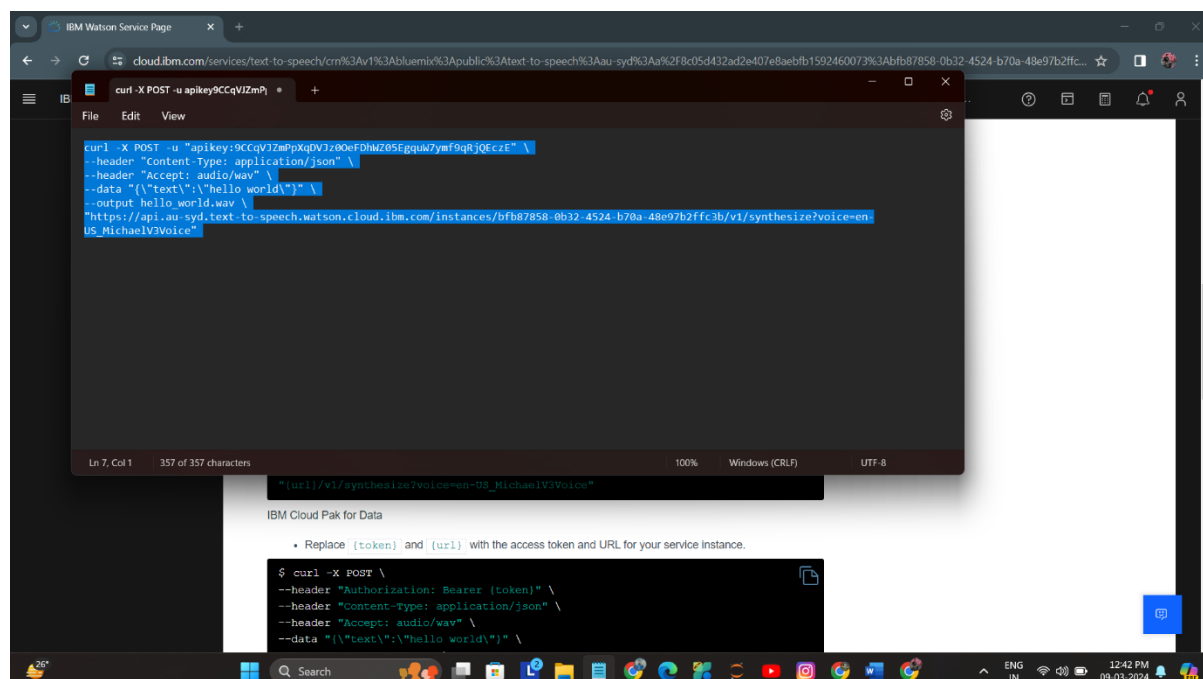
The screenshot shows a Windows desktop. In the foreground, a Notepad window is open with the following text:

```
curl -X POST -u "apikey:{apikey}" \
--header "Content-Type: application/json" \
--header "Accept: audio/wav" \
--data "{\"text\":\"hello world\"}" \
--output hello_world.wav \
"{url}/v1/synthesize?voice=en-US_MichaelV3Voice"
```

The status bar at the bottom of the Notepad window indicates "Ln 7, Col 1", "225 characters", "100%", "Windows (CRLF)", and "UTF-8".

In the background, a web browser window is open to the IBM Watson Text-to-Speech service page. The URL bar shows a long alphanumeric string. The page content includes the text "IBM Cloud Pak for Data" and a note: "Replace {token} and {url} with the access token and URL for your service instance."

7.Step7:-Change '{apikey}' to your API key that you copy and also change '{url}' to your URL that you were copy in your clipboard, you can access your keyboard using Window key+ v.



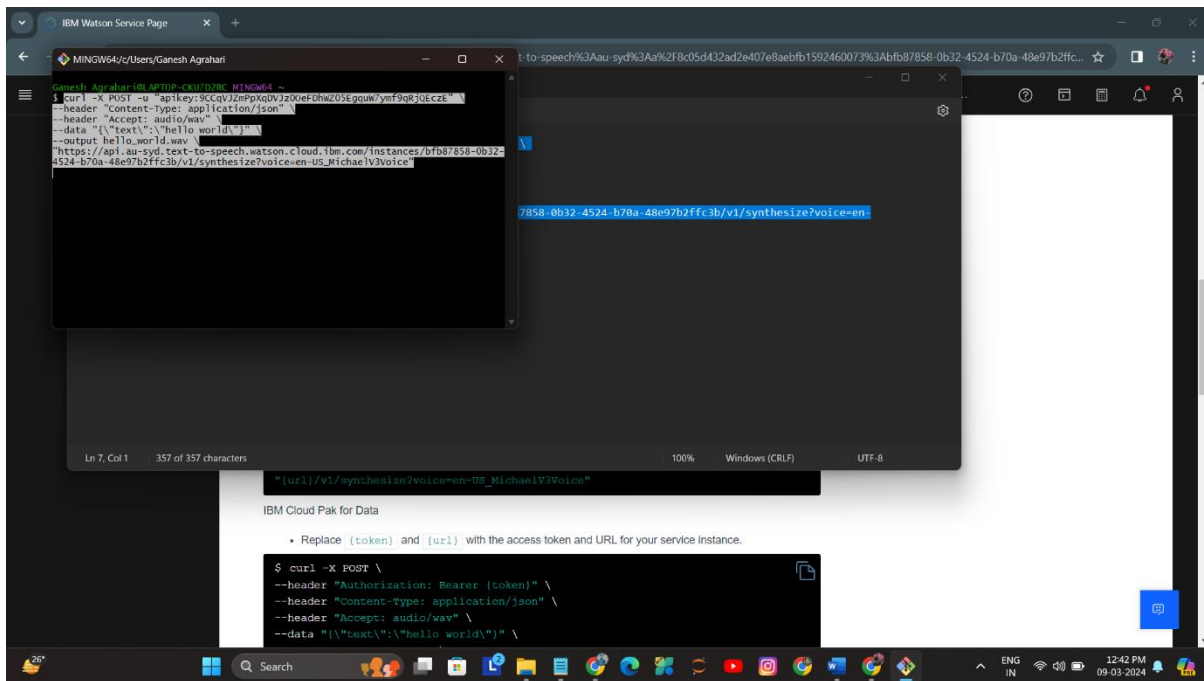
The screenshot shows a Windows desktop. In the foreground, a Notepad window is open with the following text:

```
curl -X POST -u "apikey:9CCqVJZmPpXqDVJz00eFdhWz0SEgquw7ymf9qRj0EcEz" \
--header "Content-Type: application/json" \
--header "Accept: audio/wav" \
--data "{\"text\":\"hello world\"}" \
--output hello_world.wav \
"https://api.au.syd.text-to-speech.watson.cloud.ibm.com/instances/bfb87858-0b32-4524-b70a-48e97b2ffc3b/v1/synthesize?voice=en-US_MichaelV3Voice"
```

The status bar at the bottom of the Notepad window indicates "Ln 7, Col 1", "357 of 357 characters", "100%", "Windows (CRLF)", and "UTF-8".

In the background, the same web browser window is open to the IBM Watson Text-to-Speech service page, showing the same content as in the previous screenshot.

8.Step8:- Copy all code that you edited and paste over gitbash and hit enter.



```
MINGW64~/Users/Ganesh Agrahari
$ curl -X POST -u "apikey:9CqVJ2nPPqDvJ200eFdhWZ05eguwYmf9gRj0EcZ6" \
--header "Content-Type: application/json" \
--header "Accept: audio/wav" \
--data '{"text": "hello world"}' \
--output hello_world.wav \
https://api.au-syd.text-to-speech.watson.cloud.ibm.com/instances/bfb87858-0b32-4524-b70a-48e97b2ffc3b/v1/synthesize?voice=en-US_MichaelV3Voice"

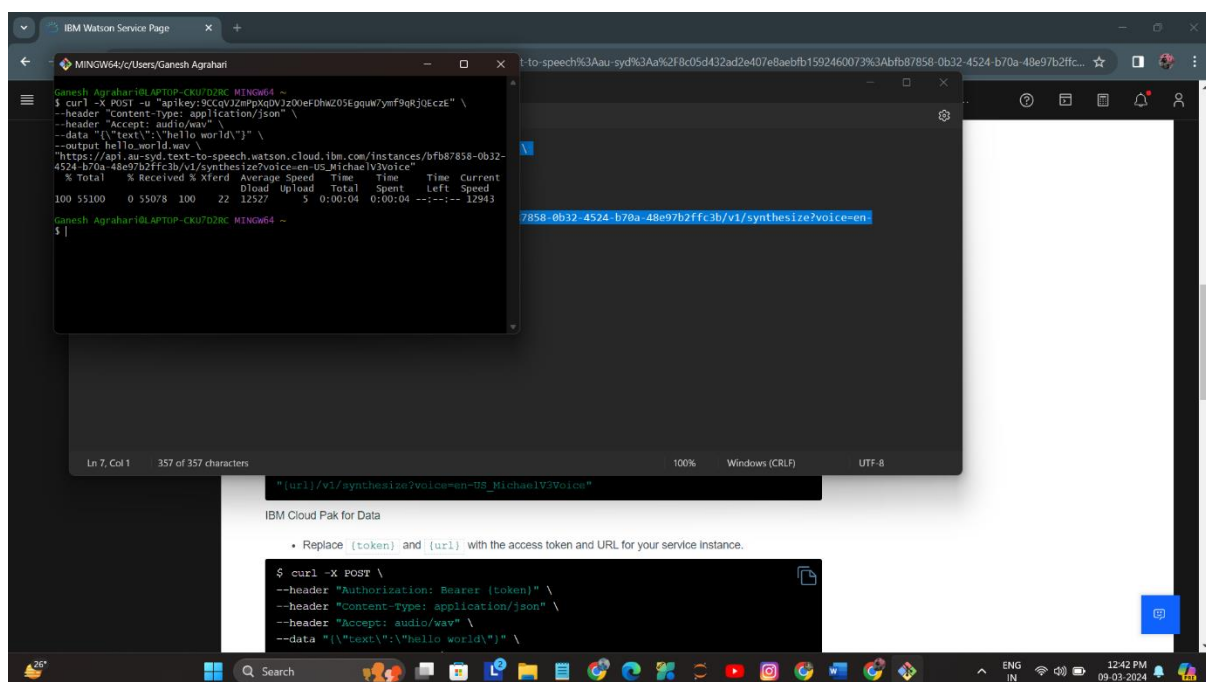
7858-0b32-4524-b70a-48e97b2ffc3b/v1/synthesize?voice=en-US_MichaelV3Voice"

IBM Cloud Pak for Data

• Replace {token} and {url} with the access token and URL for your service instance.

$ curl -X POST \
--header "Authorization: Bearer {token}" \
--header "Content-Type: application/json" \
--header "Accept: audio/wav" \
--data '{"text": "hello world"}' \
```

9.Your process will complete in few seconds .



```
MINGW64~/Users/Ganesh Agrahari
$ curl -X POST -u "apikey:9CqVJ2nPPqDvJ200eFdhWZ05eguwYmf9gRj0EcZ6" \
--header "Content-Type: application/json" \
--header "Accept: audio/wav" \
--data '{"text": "hello world"}' \
--output hello_world.wav \
https://api.au-syd.text-to-speech.watson.cloud.ibm.com/instances/bfb87858-0b32-4524-b70a-48e97b2ffc3b/v1/synthesize?voice=en-US_MichaelV3Voice"

% Total    % Received % Xferd  Average Speed   Time    Time     Current
   Dload  Upload   Total    Time    Time     Speed
 100 55100    0 55078 100    22 12527    0 0:00:04 0:00:04    12943

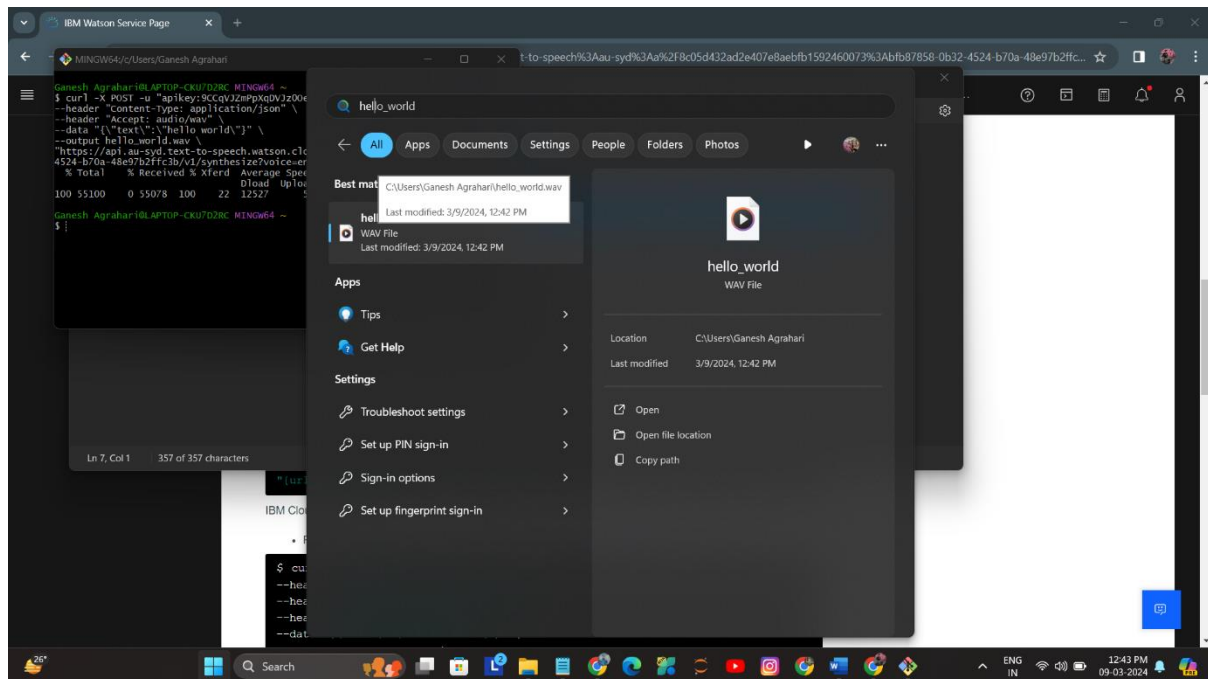
7858-0b32-4524-b70a-48e97b2ffc3b/v1/synthesize?voice=en-US_MichaelV3Voice"

IBM Cloud Pak for Data

• Replace {token} and {url} with the access token and URL for your service instance.

$ curl -X POST \
--header "Authorization: Bearer {token}" \
--header "Content-Type: application/json" \
--header "Accept: audio/wav" \
--data '{"text": "hello world"}' \
```


10. Step10:- Your wav file is ready You can access using searching bar type “hello world” your file will appear.



Thank you!

-GANESH AGRAHARI