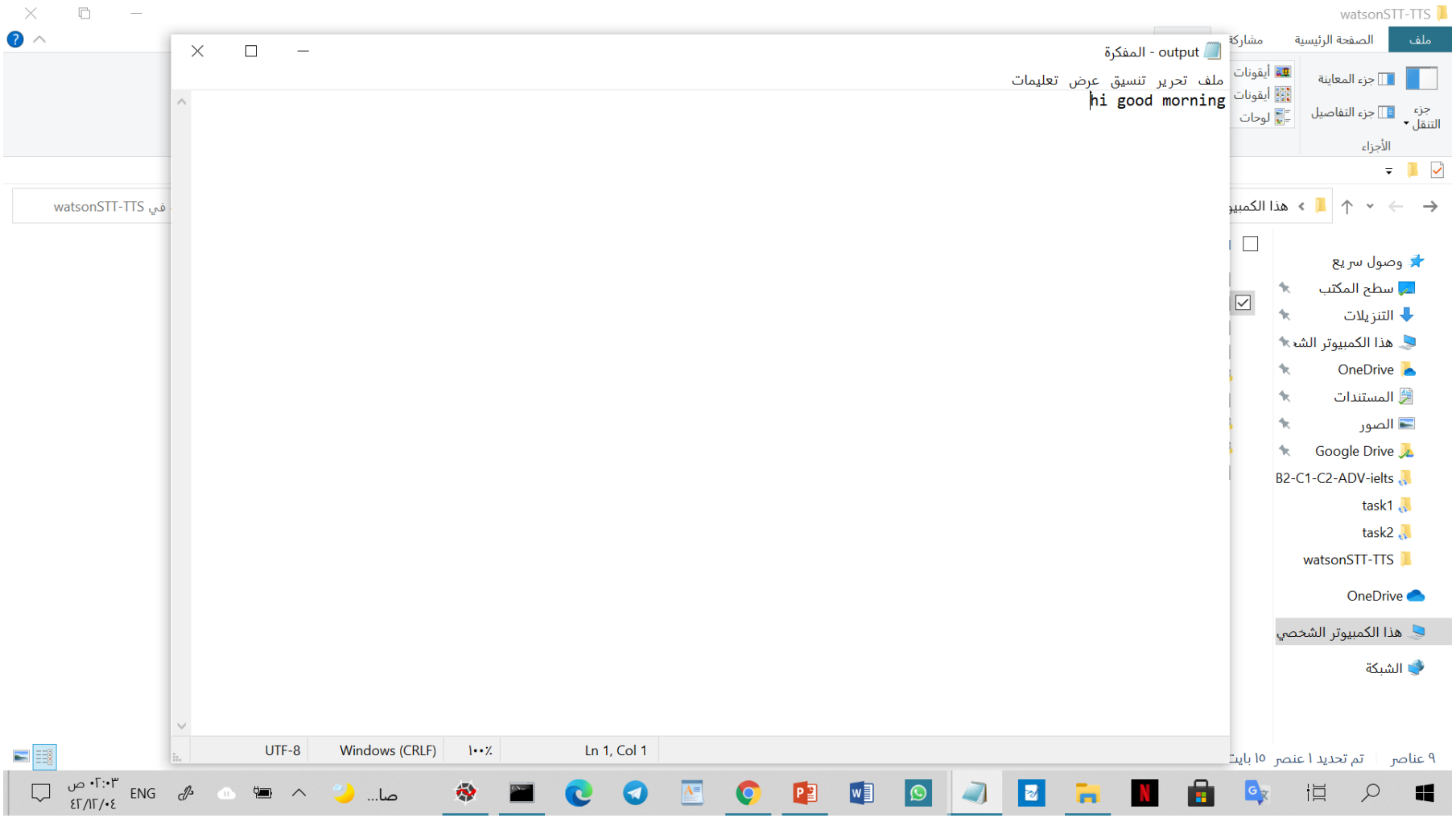
Task Guide

STT

```
C:\Users\dooda\watsonSTT-TTS>python transcribeSTT.py -t 4
* recording
hi
hi
hi
hi
hi
hi
hi
hi
hi good
hi good
hi good my
hi good morning
hi good morning
hi good morning
hi good morning
hi good morning
hi good morning
* done recording
hi good morning
```

STT TextFile

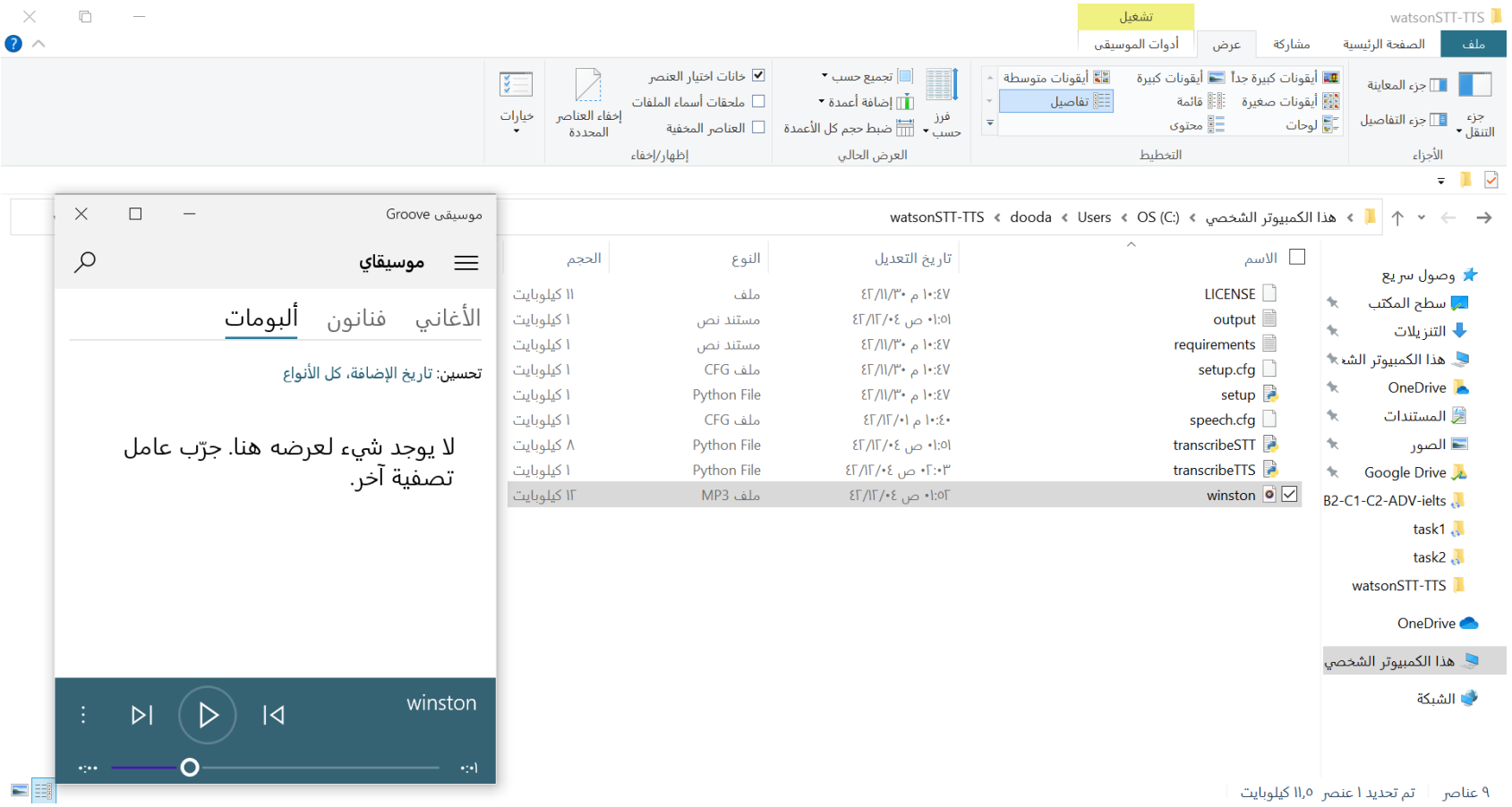


The method

```
137 def on_close(ws):
138     """Upon close, print the complete and final transcript."""
139     global LAST
140     if LAST:
141         FINALS.append(LAST)
142     transcript = "".join([x['results'][0]['alternatives'][0]['transcript']
143                           for x in FINALS])
144
145     print(transcript)
146
147     file = open("output", "w")
148     file.write("".join([x['results'][0]['alternatives'][0]['transcript']
149                           for x in FINALS]))
150     file.close
151
```

TTS recordFile

```
C:\Users\dooda\watsonSTT-TTS>python transcribeTTS.py
```



TTS code

```python
# -*- coding: utf-8 -*-
"""
Created on Tue Jul 13 23:25:53 2021

@author: dooda
"""

from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

apikey = 'oNJw3zSODiR04aJdx8S3hjy4eV-MpICzyOPc-_WUR1Tb'
url = 'https://api.us-south.text-to-speech.watson.cloud.ibm.com/instances/00562f82-b6af-4619-8d42-4aedd6ff08b1'

#Service
authenticator = IAMAuthenticator(apikey)
tts = TextToSpeechV1(authenticator=authenticator)
tts.set_service_url(url)



with open('output.txt', 'r') as f:
    text = f.readlines()
text = [line.replace('\n','') for line in text]
text = ''.join(str(line) for line in text)
with open('./winston.mp3', 'wb') as audio_file:
    res = tts.synthesize(text, accept='audio/mp3', voice='en-GB_JamesV3Voice').get_result()
    audio_file.write(res.content)
```