

## SPRINT 3

### INSTALLATION OF WATSON VERSION: CODE:

```
pip install --upgrade "ibm-watson>=6.1.0"
```

### RESULT:

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\nevil>pip install --upgrade "ibm-watson>=6.1.0"
Collecting ibm-watson>=6.1.0
  Downloading ibm-watson-6.1.0.tar.gz (373 kB)
    Installing build dependencies ... done
    Getting requirements to build wheel ... done
    Preparing metadata (pyproject.toml) ... done
Collecting requests<3.0,>=2.0
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    Collecting python-dateutil>=2.5.3
      Downloading python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
    Collecting websocket-client==1.1.0
      Downloading websocket_client-1.1.0-py2.py3-none-any.whl (68 kB)
Collecting ibm-cloud-sdk-core==3.*,>=3.3.6
  Downloading ibm_cloud_sdk_core-3.16.0-py3-none-any.whl (83 kB)
Collecting urllib3<2.0.0,>=1.26.0
  Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
Collecting PyJWT<3.0.0,>=2.4.0
  Downloading PyJWT-2.6.0-py3-none-any.whl (20 kB)
Collecting six>=1.5
  Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)
Collecting charset-normalizer<3,>=2
  Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
Collecting certifi>=2017.4.17
  Downloading certifi-2022.9.24-py3-none-any.whl (161 kB)
Building wheels for collected packages: ibm-watson
  Building wheel for ibm-watson (pyproject.toml) ... done
  Created wheel for ibm-watson: filename=ibm_watson-6.1.0-py3-none-any.whl size=378888 sha256=9a1d1ea295ad0ebf975ed3de9e982cece80c71e2f0d6ba78e15e1c7b5b76c8
```

### COPYING CREDENTIALS FOR API AND URL:

### PROGRAM FOR ACCESSING APIs OF TTS

#### SERVICE:

```
from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator
authenticator = IAMAuthenticator('7NcRcpMT221nhk1kB5DTsWpK-
GQgjKFkWka7Ao1BU7zQ')
text_to_speech = TextToSpeechV1(authenticator=authenticator)
text_to_speech.set_service_url('https://api.eu-gb.text-to-
speech.watson.cloud.ibm.com/instances/e7133289-0146-4193-a7d5-b354d6831556')
with open('para.wav', 'wb') as audio_file: audio_file.write(text_to_speech.synthesize(
    'it's the time to take paracetamol',
    voice='en-US_AllisonV3Voice', accept='audio/wav'
).get_result().content)
```

