**Worksheet**

**EXPERIMENT – 4**

**Aim:**

Perform Speech-to-text conversion using pre trained machine learning API models for short-form or long-form audio.

**Requirements:**

PC with internet connectivity, Python 3.7

**Expected Outcome:**

* *List down all the commands used:*

*CODE:*

import speech\_recognition as sr

r=sr.Recognizer()

mic = sr.Microphone(device\_index=1)

with mic as source:

r.adjust\_for\_ambient\_noise(source,duration=1)

print("Please say your name:")

audio1=r.listen(source,timeout=20)

print("Please say your UID:")

audio2=r.listen(source,timeout=20)

print("Thanks!")

try:

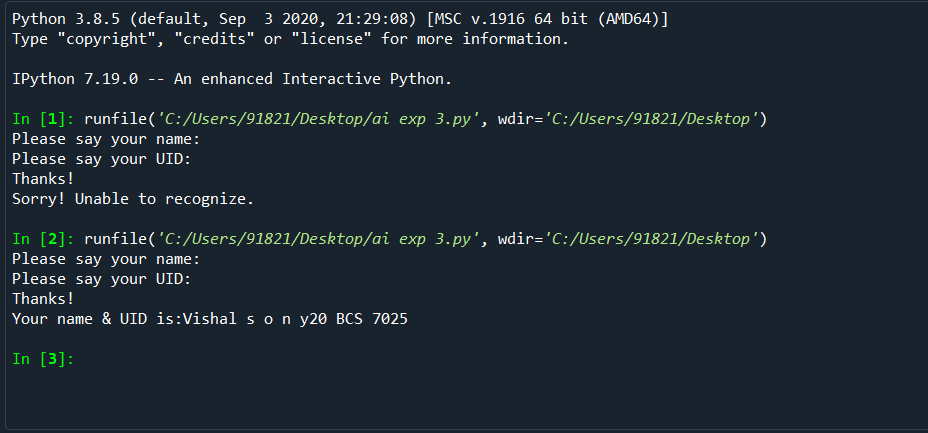
print("Your name & UID is:"+r.recognize\_google(audio1)+r.recognize\_google(audio2));

except:

print("Sorry! Unable to recognize.")

pass;

**>>***Screenshots of result:*

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