

SPRINT 3

PROGRAM FOR SPEECH RECOGNITION

```
import
pytsx3

import datetime
import wikipedia
import webbrowser
import os
import smtplib
import speech_recognition as sr
engine = pytsx3.init('sapi5')
voices = engine.getProperty('voices')
engine.setProperty('voice', voices[0].id)
#comment added
def speak(audio):
    engine.say(audio)
    engine.runAndWait()
def wishme():
    hour = int(datetime.datetime.now().hour)
    if hour>=0 and hour <12:
        speak("Good Morning!")
    elif hour>=12 and hour<18:
        speak("Good Afternoon")
    else:
        speak("Good Evening")
    speak("Sir. I'm ram.Please tell me how May I help you")
def takeCommand():
    #it takes voice command from microphone and returns string output
    r=sr.Recognizer()
    with sr.Microphone() as source:
        print("Listening...")
        r.pause_threshold=1
        audio = r.listen(source)
    try:
        print("Recognizing...")
        query = r.recognize_google(audio,language='en-in')
        print(f"User said: {query}\n")
    except Exception as e:
        print("Say that again please...")
        return "None"
    return query
def sendEmail(to, content):
    server = smtplib.SMTP('smtp.gmail.com',587)
```

```
server.ehlo()
server.starttls()
server.login('youremail@gmail.com','yourpassword#')
server.sendmail('toemail@gmail.com',to,content)
server.close()
```