```
import pyttsx3
import speech_recognition as sr
import datetime
import pyaudio
import wikipedia
import webbrowser
import os

engine = pyttsx3.init('sapi5')

voices= engine.getProperty('voices') #getting details of current voice

engine.setProperty('voice', voices[0].id)


def speak(audio):
    engine.say(audio)
    engine.runAndWait()



def wishme():

    hour = int(datetime.datetime.now().hour)
    if hour >= 0 and hour <12:
        speak("GOOD Morining")

    elif hour >=12 and hour <18:
        speak("Good Evening")
    else:
        speak("Good Afternoon")
    speak(" I am jarvis sir , please tell me how may help you")

def takeCommand():
    #It takes microphone input from the user 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')  # Using google
for voice recognition.
        print(f"User said: {query}\n")  # User query will be printed.

    except Exception as e:
        # print(e)
        print("Say that again please...")  # Say that again will be printed
in case of improper voice
        return "None"  # None string will be returned
    return query



if __name__=="__main__" :
    wishme()
    while True:
        query =takeCommand().lower()
```

```
        # Logic for executing tasks based on query
        if 'wikipedia' in query:
            speak('searching wikipedia...')
            query = query.replace("wikipedia","")
            results = wikipedia.summary(query, 2)
            speak("According to Wikipedia")
            print(results)
            speak(results)

        elif 'open youtube' in query:
            webbrowser.open("youtube.com")

        elif 'open google' in query:
            webbrowser.open("google.com")

        elif 'open facebook' in query:
            webbrowser.open("facebook.com")

        elif 'open amazon' in query:
            webbrowser.open("amazon.com")

        elif 'the time' in query:
            strTime = datetime.datetime.now().strftime("%H:%M:%S")
            speak(f"sir the time is {strTime}")
```