#to run the code, you have to install the all the MODUL first

import pyttsx3  
import speech\_recognition as sr  
import datetime  
import wikipedia  
import webbrowser  
import os  
import pywhatkit as kit  
import sys  
  
  
  
engine = pyttsx3.init('sapi5')  
voices = engine.getProperty('voices')  
engine.setProperty('voices', voices[0].id)  
  
#text to speech  
def speak(audio):  
 engine.say(audio)  
 engine.runAndWait()  
  
def takeCommand():  
 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}")  
  
  
 except Exception as e:  
 speak("say that again please...")  
 return "none"  
 return query  
  
def wish():  
 hour = int(datetime.datetime.now().hour)  
  
 if hour>=0 and hour<=12:  
 speak("good morning sir")  
 elif hour>12 and hour<18:  
 speak("good evening")  
 speak("this is your personal assistant Makky. sir please tell me how can i help you?")  
  
if \_\_name\_\_== "\_\_main\_\_":  
 # takeCommand()  
 #speak("hello sir, this is Makky. how can i help you sir?")  
 wish()  
  
 while True:  
 #if 1:  
  
 query = takeCommand().lower()  
  
 if"open notepad" in query:  
 npath ="C:\\Windows\\system32\\notepad.exe"  
 os.startfile(npath)  
  
 elif "open adobe reader" in query:  
 apath="C:\\Program Files (x86)\\Adobe\\Acrobat Reader DC\\Reader\\AcroRd32.exe"  
 os.startfile(apath)  
  
 elif "open command prompt" in query:  
 os.system("start cmd")  
  
 elif "play music" in query:  
 music\_dir = "C:\\Users\\acer\\Desktop\\song"  
 song =os.listdir(music\_dir)  
 os.startfile(os.path.join(music\_dir,song[1]))  
  
 elif "wikipedia" in query:  
 speak("searching wikipedia....")  
 query = query.replace("wikipedia","")  
 results = wikipedia.summary(query,sentences=2)  
 speak("according to wikipedia")  
 speak(results)  
 print(results)  
  
 elif "open youtube" in query:  
 webbrowser.open("www.youtube.com")  
  
 elif "open facebook" in query:  
 webbrowser.open("www.facebook.com")  
  
 elif "open google" in query:  
 speak("sir, what should i search on google")  
 cm = takeCommand().lower()  
 webbrowser.open(f"{cm}")  
  
 elif "play song on youtube" in query:  
 kit.playonyt("see you again")  
  
 elif "play news on youtube" in query:  
 kit.playonyt("recent world news")  
  
 elif "no thanks" in query:  
 print("Thanks for using me sir, have a good day :(")  
 speak("Thanks for using me sir, have a good day")  
  
 sys.exit()  
  
  
 speak("sir, do you have any other work?")