

Desktop Voice Assistant

A **voice assistant** is a software agent that can perform tasks or services for an individual based on verbal commands i.e. by interpreting human speech and respond via synthesized voices. Users can ask their assistants' questions, control home automation devices, and media playback via voice, and manage other basic tasks such as email, to-do lists, open or close any application etc with verbal commands.

In this project I build my Desktop voice assistant "**Sophia**" which can perform simple voice assigned tasks like, open google, open you tube, which can print whatever you said, give us greeting like good morning or good afternoon depending upon time.

I also added following features to it :-

Send email :- send mail to specified email id. For this I have write a function "mail(whom, content)" which take 2 inputs whom-to which you have to send mail and content-what you want to write in it. You have to allow less secured apps in your gmail account unless code doesn't work.

Play movies :- can play movies in your default media player. You have to specify the folder address in which you have saved your movies.

Tell the time :- This function tell us the current time, it uses datetime module.

Open code :- It open the specified folder in your pc.

Wikipedia :- This function can search whatever you command to Sophia it also reads first two lines of search and also print it.

In this program I have used google "**speech recognition**" module to perform simple voice assigned tasks. I have used "**datetime**" module to state time, also used in "greeting" function. I also used "**pyttsx3**" module to access voices in my pc. Used "**smtplib**" module to send mail. also used other module like "**os**", "**Wikipedia**", "**Webbrowser**".