

SPEECH TO TEXT – NO NEED TO WRITE - 03

Hey everyone i am done with the steps, i first installed speech recognition then recorded to the file through micro phone and then converted the audio file into dot wav extension so these are the steps i have asked you to do i hope you have done with the steps, since you are all done with the steps let us start with the programme. So first of all you need to import speech and recognition that you have installed say it is basically import speech underscore recognition as sr you can use a name sr or you can just go with speech recognition it's your wish. So first of all i create a variable name audio file that i will assign to my audio file so my audio file is sample underscore simran dot wav, speech note the fact speech recognition only recognises dot wav file so you have to convert your audio file to your dot wav then it will basically use audio file as the audio source, you the audio file as the source then you have to initialise the recogniser sr dot recogniser it will basically initialise the recogniser after that what you have to do is with sr dot audio file because you are using audio file here what name has been assigned to your audio file mine is audio underscore file we will use it as source, what you have to do here is audio is equal to r dot record source, so this function will basically read your audio file reads the audio file. So now what we have to do now here is we have to write try print audio file contains r dot recognise underscore goggle audio it will basically print the text, print the text that is there in your audio file, it will convert your spoken words to text, except sr dot unknown value error, you must be wondering what i am doing here, here basically it will raise an exception sr dot unknown value error in case it is not able to understand the audio, you will have to raise the exception here in case your goggle speech recognition module is not able to understand your audio file so i will write here print Google speech recognition could not understand audio, you are also have to write another exception that is except sr dot request error this will be, this will occur if the we are not able to get the results from Google speech recognition so you will write here couldn't get the results from Google speech recognition so i use the word here exception instead of error please note the fact that exception is a type of error, i repeat exception is a type of error .so as you saw we first use the audio file as the source then we initialise the recogniser and then we read the audio file after that will Google speech recognition will basically recognise your audio file and convert it into text and in case it is not able to do that it will raise two exceptions, it can raise two exceptions first of all is if it is not able to understand the audio and second one is if it is not able to get the result from Google speech recognition, so we are done with the programme here let us try to run this programme and check whether i will be able to help shubudha or not, let us try to check that. Yes we have the audio file here; audio file contains that particular song and let me check that, yes! That is right, isn't it amazing! We can just record our audio file and convert it into text so i am very happy i can help shubudha and i think she can by heart the lyrics and improve on her dancing skills i think so. So as you saw speech recognition is a state of the art technology that has been provided to us by the Google through python, so you can use this and convert your audio files to text, it is very very easy through python so thank you i hope this programme is very useful to you and have a nice day happy learning.