**How to run the code:**

To run this code we import two main modules. Those are

1. Speech Recognition
2. PyAudio

How to install module in pycharm:

The installation should be done in the terminal

1. Pip install Speech Recognition
2. Pip install PyAudio

After opening the terminal we should execute the above two module.

Recognizer class basically has instances which are used to recognize speech.

To work with microphones we will have to install PyAudio in python.

To record audio using the microphone we will have a microphone class.

**“we must connected to the internet”**

The install of module can be done in various ways.

Test cases

1. (Speak) – hello world

(Text) -- Hello world

1. (Speak) – this is ai project

(Text) -- this is ai project

1. (Speak) – happy to see you

(Text) – happy to see you

1. (Speak) – good morning

(Text) – good morning

1. (Speak) – ok bye

(Text) – ok bye