**Week 1: REPORT**

***Planned…***

We will follow and try up the following plan for this week (till Saturday):

* First Things First: gathering all about the previous work (Implementation) done on Watson offline and collecting all information till we have from internet as reference.
* See what things actually we want to do and what we have and what we are supposed to work on. Making it simple and smooth.
* Terminal Login (Basic Auth.) module development without GUI. Using python. (SQLite DB).
* Understanding of python modules and libraries required for the project.
* Learning Documentation thoroughly to integrate Watson with python SDK on Ubuntu 16.04 system.
* Dividing the complete project into modules and study on each modules.
* Checking Connectivity of the user (without notifying anything on screen/terminal console).
* According to the connectivity we will take action plan further.
* Choosing right action plan as we discussed as considering a simple Watson task : Speech to Text (stt api on bluemix - <https://www.ibm.com/watson/services/speech-to-text/>)

if(online) {

use WATSON API FOR REALTIME;

speech synthesising computation;

}

else{

do local stt using system coded speech synthesis module;

}

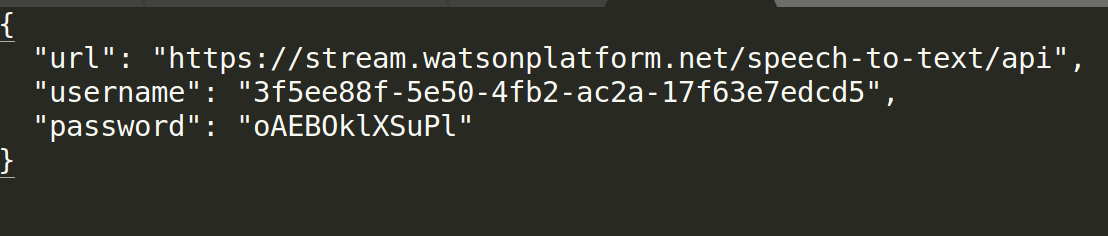
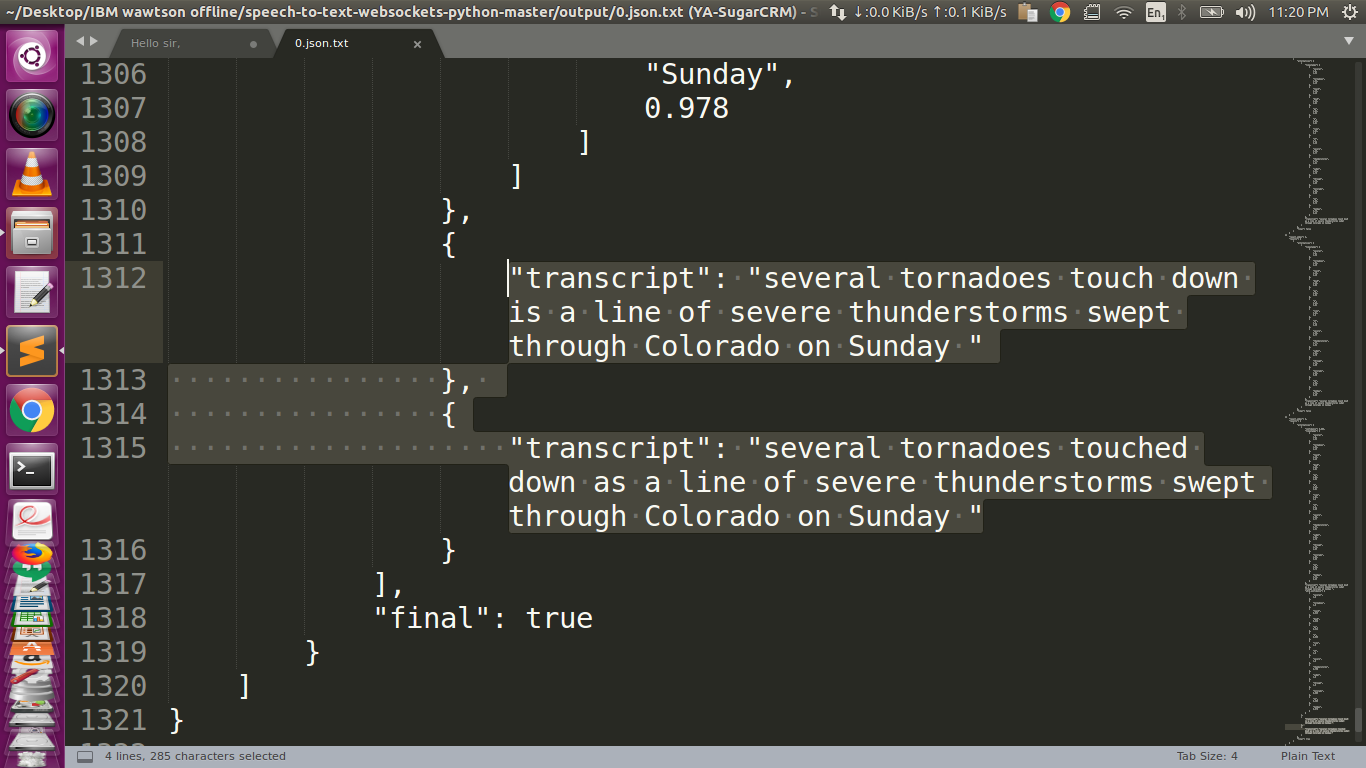
* By the end of each module success build, collecting it to a single package and testing it

***Achieved…(Module 1)***

Till now we have done Watson Online part i.e., Module 1, this involved:

* Set up Watson sdk for python and setup completed environment for Watson workspace in Ubuntu 16.04.
* Saw older implementations and documentations. <https://www.ibm.com/watson/developercloud/speech-to-text/api/v1/curl.html?curl#websocket_methods>
* Authentication, Tokenizing, Interface calls, Voice Features, Making a recognition request, Audio formats, Response types, Rest API references,
* We did no customization, it’s a clean implementation.
* Used Standard English Speech Feature. : en-US\_BroadbandModel
* Used complete Doc for code support.
* **Completed *Speech to text using* Watson bluemix API**

**PLEASE SEE THE VIDEO attached in mail**

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