Development Environment: Python 2.7

Requirements:

1. speech\_recognition (Python Library):

Installation: pip install SpeechRecognition

Description: This library is used to convert voice commands to text.

1. pyttsx (Python Library):

Installation: pip install pyttsx

Description: This library is used to convert text to speech.

1. stanfordcorenlp (Python Library):

Installation: pip install stanfordcorenlp

Description: This library is used to use the Stanford Core NLP features in python.

1. neo4jrestclient (Python Library)

Installation: pip install neo4jrestclient

Description: This library is used to connect to Neo4jrest database server.

1. Chatterbot (Python Library)

Installation: pip install chatterbot

Description: This library is used to train conversation corpus.

Steps To Run the Program:

1. Download Neo4j installation for the computer and install it. Create a new database and start the database server. Once the database server is started, you should be able to connect to database server by going to <http://localhost:7474>. Kindly make sure that the port number is 7474. If you use a different port than make changes to the code accordingly.
2. Download and extract the most recent StandfordCoreNLP folder from their website. Note down the directory in which you have stored the same, as you will have to edit the path in the main.py python script.
3. Once all the above-mentioned libraries and above two steps are completed you can run the main.py script.
4. Kindly note that the script will run continuously. In order to stop the program, create a key board interrupt.
5. “Hey Victoria” or “Okay Victoria” are the sentences that will activate the bot. Once you have said any of the sentences, wait for the bot to reply.
6. Once the bot replies and you can see “listening” message on the screen, you can give your voice command.
7. Every time you have to give a command, make sure you first activate the bot by saying “Hey Victoria” or “Hello Victoria”.
8. Currently our program does not support numerical values.

Example Run:

