



### **Task:**

To create intent based basic greeting chatbot

### **Specifications**

- Input can be any greetings such as *hello, good morning*, etc.
- Output should be appropriate reply to that greeting *hello how can I help you, have a nice day*, etc.
- Take user input, apply it to a pre-trained model, and get the output.

Note: these are the basic examples, any other greetings should have appropriate replies as well.

### **Expectations**

- Any dataset of your choice can be used for greetings data.
- Chatbot function to be implemented in python. Can use python frameworks such as django or flask if needed.
- Use concepts of NLP for processing the data. Use AI/ML/DL concepts to train the model.
- You are free to use any library of your choice.
- Trained model should be independent and can be used in any framework of python.
- You should be able to explain the process of data cleaning, training, methods/libraries used in the implementation.
- Maturity of your solution will be judged on your clean coding, modularity, design analysis and design skills. Your coding skills will also be judged.
- Upload your solution onto your github repo and send a link to **careers@nullinnovation.com** or **janak@nullinnovation.com** along with your resume.

## Hints

- sample dataset -  
<https://chatterbot.readthedocs.io/en/stable/training.html>
- <https://medium.com/mysuperai/what-is-intent-recognition-and-how-can-i-use-it-9ceb35055c4f>

