[https://github.com/AbdelrahmanRadwan/Open-Domain-ChatBot](https://github.com/AbdelrahmanRadwan/Open-Domain-ChatBot" \t "_blank)

Work tries to reproduce Google Chat bot based on this paper

Tools: Python and Tensorflow with Cuda

Model: Sequence to sequence framework with recurrent neural network

-Other possibilities: LSTM, transfer network, deep adaptation network (DAN)

Dataset: a closed-domain IT helpdesk troubleshooting dataset and an open-domain movie transcript dataset

Improvements:

-Answers are deterministic

-Longer sentences lack accuracy

-Questions are independent from each other

Plan:

Type: Task oriented Q&A chatbot on open domain knowledge (Prefers chatbot rather than Q&A)

Data source:

1. crawled reddit data source and perform entity-relation extraction
2. Wikipedia text