Assignment 5 Chatbot

- > objective: Development of a chatbot
- Problem Statement: Develop an elementary chatbot for any suitable customers interaction application.
- Software and Hardware requirements:

 operating system: 64-bit open source linux or its derivative

 Programming languages: Java/Python/R/scala
 - The obly:

 A Chatbot system uses convolsational artificial intelligence (AI) technology to simulate a discussion (or a chat) with a user in natural language via messaging applications websites mobile apps or the telephone.

 It uses rule-based language applications to perform live chat functions in response to veal-time user interactions
 - · Types of AI chatbots:

 Chatbots are a relatively recent concept and despite

 having a huge number of programs and NLP tools,

 we basically have just two different categories of

 chatbots based on the NLP technology that they utilize.

 These two types of chatbots are as follows:
 - 1) Scripted Chatbots: Scripted chatbots are classified as
 chatbots that work on pre-determined scripts
 that are created and stored in their library.
 whenever a user types a query or speaks a query
 (in the case of chatbots equipped with speech to text
 conversion modules), the chatbot responds to this query
 according to the pre determined script, stored within

its library one of the cons of such a chatbat is the fact that user needs to provide their query in a very structured manner with Comma-separated commands or other forms of a regular expression that makes it easier for the bat to perform string analysis and understand the query.

- as the mame suggests, are created to mimic human-like traits and responses. NLP or Natural Language Processing is hugely responsible for enabling such charbots to understand the dialects and undertones of human conversation.

 NLP combined with artificial intelligence creates a touly intelligent chatbot that can respond to muanced questions and learn from every interaction to create better-suited responses the next time.
 - > Conclusion: Developed an elementary chatbal for a suitable customer interaction application.

30 harpinesop and an Hola barpers agallor between a

that one control and stored in their surrey.

there to be the second on the New Johnstone that they will be the the total the second of the second o

styling that work on the delement of styling

wante let at the order or the Harton of the Continue of the wanter

control to a set the particular of the second of the second realistics

interence a wave topers a querie or speaks a gustu

(in the case of districts countries with speech to text