Assignment - ACR 2

- * TITLE: Elimentary chatbot
- * PROBLEM STATEMENT: Develop elementary chatbot for suggesting investments as per the customer's need.
- & OBJECTIVE: To develop a basic chatbot to succommend investments.
- * OUTCOME: Developed chatbot for investments.
 - * SOFTWARE AND HARDWARE REQUIREMENTS: NUTK, PYTHOM 3; 64 but CPU, UNIX/LINUX OS, 8 CIB RAM.

* THEORY :

A chothot is a software application used to conduct an online that convension via text or text - to-speech in view of providing abject contact with a live human agent. They are designed to convincingly simulate the way a human would behave as a convensational In order to successfully do the above, the following things should betaken care of

1) Understand the target and ence.

- 2) Understand the natural language in which communication
- 3) Understand the intent of the user.
- 4) Come up with suspensels that can answer user Egive further alues.

NLTK (Notyral Language Tootkit) is a platform for building python programs to work with human language dota.

- Most Importantly, it has a module, nutre chat, whileh simplifies - The ubranks are imported from hute chat litil, & include the chat day be the explications days. It process, the conversation blu user & bot. - "Reflections" is a dictionary; that when a value in a regex gloup members matches a key in dictionary, It will output value in response. - Next we have variable pours which is a list of tupes. The first Hem in the pair is pattern, which can be othing, or a regular expression. The next item is a cist of possible responses that will randomly select a response if the pattern matches the user criput. The dejant response When the that class constructor is passed the ustom-defined "pairs' variable algorithm the predifined 'reflections' dictionary on calling the 'converse' method of the chat class, the chatbot is automated. * CONCLUSTON: Successfully involemented an elementary chatbot that gives investment recommendations.

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