**MileStone # 3:**

**Group members:**

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**Github:**

[**https://github.com/UmairHaroon1998/AI-PROJECT1**](https://github.com/UmairHaroon1998/AI-PROJECT1)

**Project Report:**

A chatbot is a software application used to conduct an on-line chat conversation via text or text-to-speech, in lieu of providing direct contact with a live human agent. A chatbot is a type of software that can automate conversations and interact with people through messaging platforms.

**Source Code:**

from nltk.chat.util import Chat, reflections

pairs = [

[

r"my name is (.\*)",

["Hello %1, How are you today ?",]

],

[

r"what is your name ?",

["My name is Chatty and I'm a chatbot ?",]

],

[

r"how are you ?",

["I'm doing good\nHow about You ?",]

],

[

r"sorry (.\*)",

["Its alright","Its OK, never mind",]

],

[

r"i'm (.\*) doing good",

["Nice to hear that","Alright :)",]

],

[

r"hi|hey|hello",

["Hello", "Hey there",]

],

[

r"(.\*) age?",

["I'm a computer program dude\nSeriously you are asking me this?",]

],

[

r"what (.\*) want ?",

["Make me an offer I can't refuse",]

],

[

r"(.\*) created ?",

["Umair created me using Python's NLTK library ","top secret ;)",]

],

[

r"(.\*) (location|city) ?",

['Karachi, Pakistan',]

],

[

r"how is weather in (.\*)?",

["Weather in %1 is awesome like always","Too hot man here in %1","Too cold man here in %1","Never even heard about %1"]

],

[

r"i work in (.\*)?",

["%1 is an Amazing company, I have heard about it. But they are in huge loss these days.",]

],

[

r"(.\*)raining in (.\*)",

["No rain since last week here in %2","Damn its raining too much here in %2"]

],

[

r"how (.\*) health(.\*)",

["I'm a computer program, so I'm always healthy ",]

],

[

r"(.\*) (sports|game) ?",

["I'm a very big fan of Football",]

],

[

r"who (.\*) sportsperson ?",

["Messy","Ronaldo","Roony"]

],

[

r"who (.\*) (moviestar|actor)?",

["Brad Pitt"]

],

[

r"quit",

["BBye take care. See you soon :) ","It was nice talking to you. See you soon :)"]

],

]

def chatty():

print("Hi, I'm Chatty and I chat alot ;)\nPlease type lowercase English language to start a conversation. Type quit to leave ") #default message at the start

chat = Chat(pairs, reflections)

chat.converse()

if \_\_name\_\_ == "\_\_main\_\_":

chatty()