**Practical No: 5**  **Roll No:**

**Subject:** Artificial Intelligence

**Title:**  Develop an elementary chatbot for any suitable customer interaction application

**----------------------------------------------------------------------------------------------------------------**

**Program Code :**

import nltk

from nltk.chat.util import Chat, reflections

pairs=[

#

[

r"my name is (.)",

["Hello %1, How are you"]

],

# Or expression

[

r"Hi|Hello|Hey there|Hola",

["Hello my name is Hiesenberg"]

],

[

r"what is your name ?",

["I am a bot created by Metaltroop. you can call me crazy!",]

],

[

r"how are you ?",

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

],

[

r"sorry (.\*)",

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

],

[

r"I am fine",

["Great to hear that, How can I help you?",]

],

[

r"I (.\*) good",

["Nice to hear that","How can I help you?:)",]

],

[

r"(.\*) age?",

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

],

[

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

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

],

[

r"(.\*) created ?",

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

],

[

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

['Nashik, Maharashtra',]

],

[

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"i am looking for online guides and courses to learn data science, can you suggest?",

["Crazy\_Tech has many great articles with each step explanation along with code, you can explore"]

],

[

r"quit",

["Thank you for using our intelligence services"]

],

]

def chat():

print("Hey there! I am Jarvis at your service")

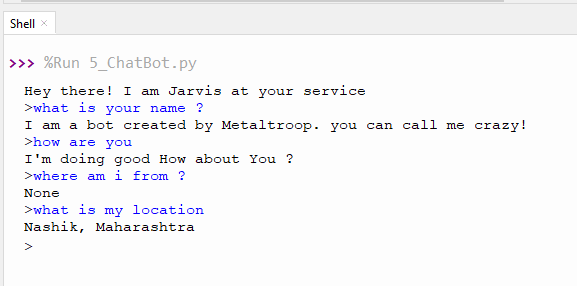
chat = Chat(pairs)

chat.converse()

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

chat()

**Output :**

****