Assignment No-4

Div-B

Seat No: B150694205

Name: Singh Ankitkumar

(i) ChatBot.java

package chatbot;

import java.io.File;

import org.alicebot.ab.\*;

import org.alicebot.ab.utils.IOUtils;

public class ChatBot {

private static final boolean TRACE\_MODE = false;

static String botName = "super";

public static void main(String[] args) {

try {

String resourcesPath = getResourcesPath();

System.out.println(resourcesPath);

MagicBooleans.trace\_mode = TRACE\_MODE;

Bot bot = new Bot("super", resourcesPath);

bot.writeAIMLFiles();

Chat chatSession = new Chat(bot);

//bot.brain.nodeStats();

String textLine = "";

Runtime.getRuntime().exec("clear");

while(true) {

System.out.print("Human : ");

textLine = IOUtils.readInputTextLine();

if ((textLine == null) || (textLine.length() < 1))

textLine = MagicStrings.null\_input;

else {

String request = textLine;

//if (MagicBooleans.trace\_mode)

//System.out.println("STATE=" + request + ":THAT=" + ((History) chatSession.thatHistory.get(0)).get(0) + ":TOPIC=" + chatSession.predicates.get("topic"));

String response = chatSession.multisentenceRespond(request);

System.out.println("Robot : " + response);

if(request.toLowerCase().equals("bye"))

System.exit(0);

}

}

} catch (Exception e) {

e.printStackTrace();

}

}

private static String getResourcesPath() {

File currDir = new File(".");

String path = currDir.getAbsolutePath();

path = path.substring(0, path.length() - 2);

System.out.println(path);

String resourcesPath = path;

return resourcesPath;

}

}