Sustainable Data Science

and Artificial Intelligence

Activity #7

**Instructions**

We have seen the code for our first chatbot, it on this webpage:

* <http://www.damiantgordon.com/Courses/SDSaAI/Week9/Week9.html>

in the file called: **Our\_First\_Chatbot.c**

For this activity, I’d like you to add a new feature to the code. So it will be in the ELSE part of the respond() function, and it can be a simple response to a specific input, or it can take some of the input and incorporate it into the answer, or it can be something more complicated.

If you want to test if your code works there’s some code here (and on the webpage) that I’ve called Test\_Harness.c, that will allow you to test your modification without having to run the complete chatbot.

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| **#include <stdio.h>**  **#include <string.h>**  **int main() {**    **char \*input;**  **input = "My name is X";**    **if (1 == 0) {**  **//Then**  **printf("This will never execute.\n");**    **} else if** **(strstr(input, "My name is") != NULL) {**  **input += 11; //This cuts "My name is " off**  **printf("Cbot: Hi %s, that's a cool name.\n", input);**  } **//EndIf;**  **return 0;**  **} //End.** |

I want you to submit a document with about 100-200 words explaining the purpose of my new feature, followed by the new code you have created, followed by screengrabs of you testing the code. **Also include the new code as part of the email, as outlined below.**

**Submission Instructions**

Please submit in the following two ways

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| Please e-mail me your completed solution, and with filename:  *Familyname\_FirstName\_TU850\_1\_SDSaAI\_Activity7.docx*  e.g.  *Gordon\_Damian\_TU850\_1\_SDSaAI\_Activity7.docx*  Also include the answer to Activity #1-6 in separate files.  e-mail to [Damian.X.Gordon@TUDublin.ie](mailto:Damian.X.Gordon@TUDublin.ie) with subject heading as follows:  [DT850/1] SDSaAI Activity #1-7 |
| Please submit into Brightspace in:   * Assessment   + Assignments     - Activity #7 |

For the email, please include the following message:

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| **Damian,**  **I am a student in your Sustainable DS & AI (CMPU1040) class in the BSc in DS & AI (DT850/1).**    **Please find attached Activity #1-7.**  **Also here is my additional code:**  **} else if** **(strstr(input, "My name is") != NULL) {**  **input += 11; //This cuts "My name is " off**  **printf("Cbot: Hi %s, that's a cool name.\n", input);**  }  **Regards,**  **Your Name**  **Student Number.**  **DT580, BSc in DS & AI** |