

This week, we discussed intelligent agents. We also coded in Python a simple AI chatbot that can be classified as a rule-based intelligent agent. We then modified our code so that our chatbot “learns”. In this assignment, you are going to further train your chatbot developed in class and then assess the chatbot.

- A. Train your chatbot so that it will be able to response to the following keywords. The responses to these keywords is left entirely up to you.
1. sport (as in maybe what is the chatbot’s favorite sport)
 2. hobbies
 3. hobby
 4. season
 5. ~ you choose a keyword 😊
 6. ~ you choose another
- B. Print out a dialog you have with the chatbot illustrating these keywords and their responses.
- C. One of the limitations of this chatbot is that if asked “What is your favorite pastime?” it cannot make the connection between keyword ‘pastime’ and keyword ‘hobbies’. What might be one way to remedy this? _____

- D. What is another limitation that you see with this chatbot? (there are several but you need only identify one here) _____

- E. Use the web to answer the question: Why Python for AI? _____

- F. Upload your .py python file to our course Canvas site for credit.
- G. Submit this sheet along with your printout from B. above for credit.