CS 4375

Professor Ward

**Python Warm-Up**

Purpose: refresh your knowledge of python, including file and terminal I/O and basic

string processing, to be ready for the Shell assignment.

Write a chatbot in python able to engage in dialogs like the following:

System: Hello, are you male or female?

User: Female

System: How excellent! Are you a CS major?

User: Yes

System: Excellent, I am too. What's an animal you don’t like, and two you do?

User: snakes, takins, and humans

System: humans: awesome. But I hate snakes too. Bye for now.

Make your chatbot able to run in two modes: either dialoging directly with the user, or by reading user-side commands from a file.

Submit a report with your code and evidence that it works in both modes.

Submit individually.

Hint 1: The following 5 mappings will be adequate for this assignment. Don’t worry about punctuation or capitalization. Creative variations are welcome, but are not required.

female →How excellent! Are you a CS major?

male → Me too. Are you a CS major?

no → Too bad. Anyway, what's an animal you like, and two you don't?

yes → Excellent, I am too. What's an animal you don’t like, and two you do?

[anything else] → [first word] awesome, but I hate [last word] too. Bye for now.

Hint 2: you are welcome to use the following for testing

testFile1: male

yes

armadillos, ants, and lizards

testFile2: female

no

crows, minnows, geckos

testFile3: AI, neither male or female

electrical engineering

bye goofball