Name:
Date:

Magpie Chatbot Lab

Directions: Make note of your responses to the following questions as you work through activities 4 and 5 of the AP Computer Science Lab Student Guide: Magpie.

Activity 4

1. In the Exploration section, how does the Magpie chatbot respond to:

I want to build a robot.	Would you be happy if you built a robot?
I want to understand French.	Would you be happy if you understood French?
Do you like me?	Interesting, tell me more.
You confuse me.	How do you feel about it?

2. After altering the code, test the code by chatting with Magpie. Test statements in the form of "I want to *something*", "I want *something*", "you *something* me", and "I *something* you". Paste your conversation below.

Hello, let's talk.

I want to build a robot.

Would you really be happy if you had build a robot?

I want to understand French.

Would you really be happy if you had understand French?

Do you like me?

Interesting, tell me more.

Say something, please.

You confuse me.

How do you feel about it?

3. When altering the code, why did you need to be careful about where you place the check for "I want *something*" statements? Use the samples to determine your answer.

   Because if you weren't careful, the checks would fail and lead you to incorrect responses.

Activity 5

1. Imagine you were to interview an end user and ask them to compare the version of the program before the array was added to `getRandomResponse` and the version after. What might they say?

   The chatbot would feel more detached and slower than the array version — or maybe even less connected since there are less options to the random response.

2. Now interview the programmer for the code. How might he/she compare and contrast the two programs? Are the end user's and programmer's responses similar? Why?

   No, the programmer would notice the change compared to the end user as the end user may not be aware of the code behind the algorithm compared to the programmer.