Introduction to Alice – Multiple Choice

Topic: If/Else Statements

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June 2015

This is a multiple-choice assessment, designed for beginners in Alice. It should take approximately 10 minutes.

For preparation, you should complete the “How Tall Are You? Introducing Functions” tutorial.

For any images shown, assume the objects in the world have not been resized.
1. What will happen after this method is called? (Assume the cow and chicken are standing beside each other and haven’t been resized)

A. The chicken says “You are really far away”
B. The chicken moves toward the cow
C. The chicken says “You are really close”
D. The cow moves toward the chicken
What will the chicken say after this method is called? **Hint:** consider the perspective of the chicken and cow

A. Coo coo ca chaw  
B. Cheep cheep  
C. Coo coo ca chaw and cheep cheep  
D. Nothing
3. What will happen after this method is called?

A. The chicken says “My width is less”
B. The cow says “Moo.”
C. The chicken says “My width is more” and the cow says “Moo.”
D. The chicken says “My width is less” and the cow says “Moo.”
4. We want to write a condition in Alice. If the chicken is within 5 meter of the cow we want the chicken to say “Hello cow.” Otherwise, we want the chicken to move 1 meter in the direction of the cow. Which code segment does this correctly? (Assume chicken and cow are in the world)

A. 

B. 

C. 

D.
5. What is said when this method is called?

A. True
B. False
C. Both True and True
D. Nothing
6. **Challenge problem**

What is returned by the following method? (Assume animals are beside each other and haven’t been resized)

A. The chicken says “You’re way above me”
B. The chicken says “You are sort of above me”
C. The chicken says “You are barely above me”
D. None of these statements are called