Conditional Statements (If/Then) "Guess Your Age" - Grade Sheet (40 pts.)

Overview: In the programs you just wrote, Player #2 was trying to guess what the secret number Player #1 entered. Let's change the game. Let's have the computer find the number.



How do we do this? Do you remember earlier this year when we had students trying to find words in a dictionary? One group had a Linear approach and started asking words on page 1 and continued until they found it. The student in the second group had a binary approach and stated a word in the middle of the dictionary and kept saying higher or lower and would split the difference. Player #2 was much more efficient and always won.

This is how this code works:

Like the student who kept splitting the difference with the dictionary and would go higher or lower based on their previous guess and the other student's response, you will write a code that does the same, but the only difference is that your program will guess the user's age.

Guide:

I am providing you with the code below - use it to create the "Guess Your Age" game. Colored code is provided online for you – this might be easier to read!!

View the model on the class website. Note: The user's age is '51' in the model.

Gradesheet

1.	Recreate the Program "Guess Your Age." Replicate the program being shown and provided to you.	15 pts.
2.	. Clearly explain how each line of code functions in the program.	25 pts.

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when sound xylo2 wait 3 secs
say | fellol | heard you had a birthday recently and | wanted to see if | could guess your age, for $ secs
say | Ready? | for $ secs
say | gas | secs | sec
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