***Experiment Four***: Thinking About Animation

*Experimentation is your superpower!*

*Let's experiment to learn a little about how animation might be achieved using the turtle in Python.*

*First, let's review…*

*Use what you remember from the video we watched in class to answer the questions that follow.*

1. How is traditional animation created?
2. What is a "frame" in animation?

*Next, let's experiment.*

*Open and fork the project linked here (*[*animationExample1*](https://replit.com/@ROYMARQUEZ/animationExample1)*)*

*Follow the instructions below.*

1. Read the code in this project. Which are the line numbers that contain new instructions?

What do you think that this program might do if you were to play it?

1. Press the play button to make the computer follow the instructions in the project.

So what does this project actually do when you play it?

1. Change the 0.5 on lines 15 and 17 to 0.12 and play the program again. What changed?

What do you think that the instructions on lines 15 and 17 are teaching the computer to do?

*Open and fork the project linked here (*[*animationExample2*](https://replit.com/@ROYMARQUEZ/animationExample2)*)*

*Follow the instructions below.*

1. Read the code in this project. Which are the line numbers that contain new instructions?

What do you think that this program might do if you were to play it?

1. Press the play button to make the computer follow the instructions in the project.

So what does this project actually do when you play it?

*Finally, open and fork the project linked here (*[*animationExample3*](https://replit.com/@ROYMARQUEZ/animationExample3)*)*

*Follow the instructions below.*

1. Read the code in this project. Which are the line numbers that contain new instructions?

What do you think that this program might do if you were to play it?

1. Press the play button to make the computer follow the instructions in the project.

So what does this project actually do when you play it?

*When learning something new, it's important to reflect on this experience.*

1. What is one thing that you learned in completing the work in this assignment?
2. What are you still wondering or are still confused about?