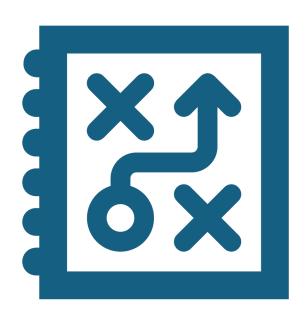


Movement - Easing

- What is Easing?
- Coding Easing
- Practice Problem



What is Easing?

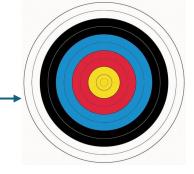
- Game programmers use the term "Easing" to describe how a movement starts and stops.
- When moving toward a target you gradually slow down before coming to a complete stop.
- Moving at a fixed velocity and suddenly stopping is not easing.
- Animators use easing to make game objects' movements look natural and smooth.

JavaScript coding for Easing

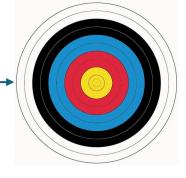
- Easing motion means the velocity is not constant.
- The goal of "easing" code is to compute a location of a moving object during a given time, from a starting location to an end location.

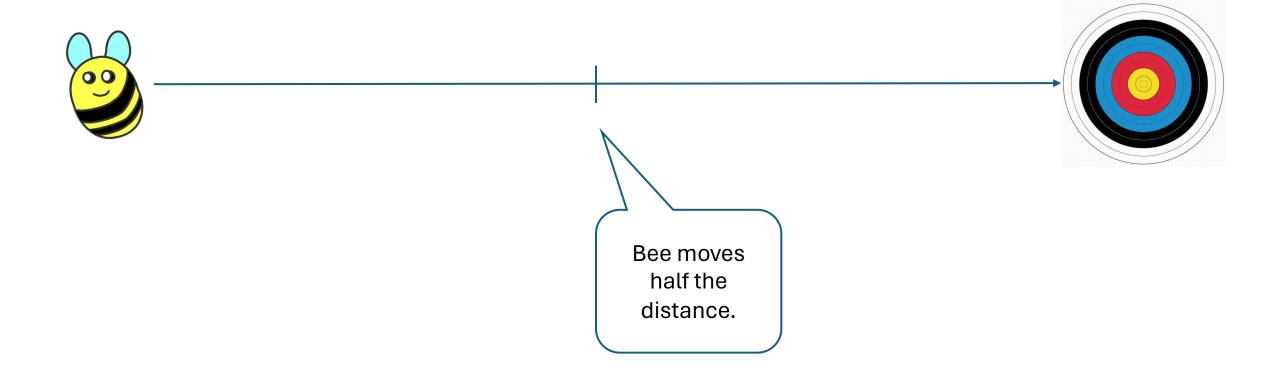
Bee moves toward the target and gradually slows down as it gets closer.

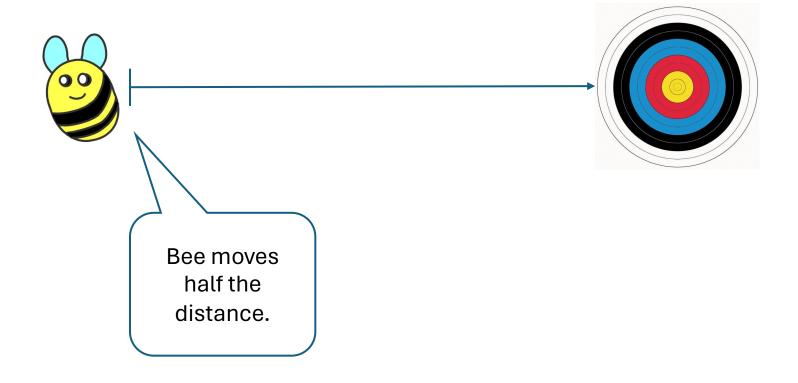


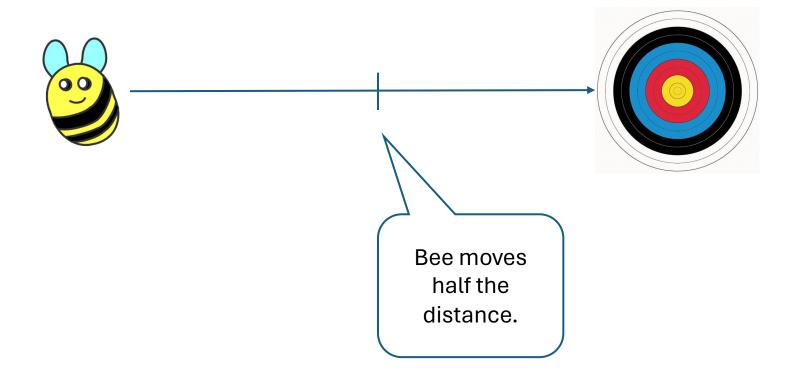


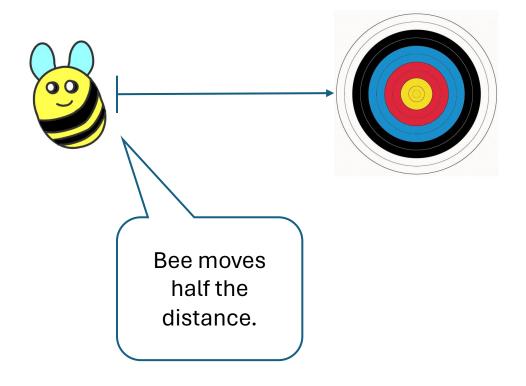


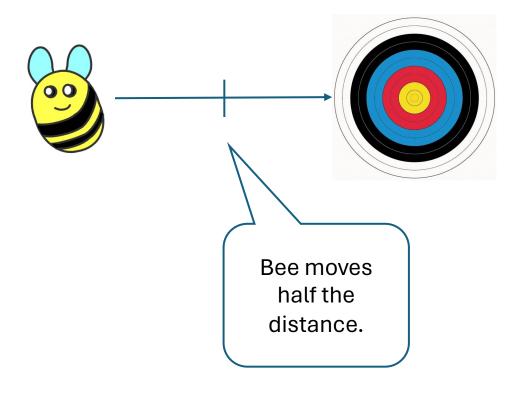


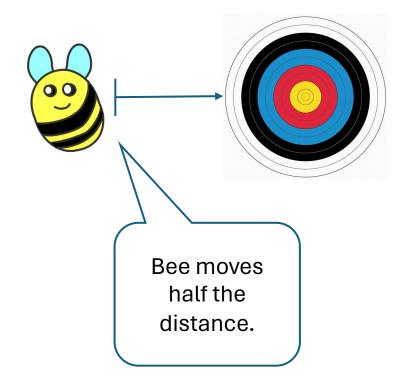


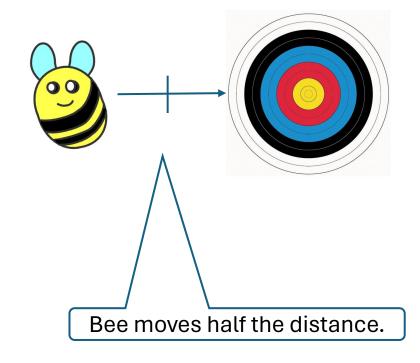


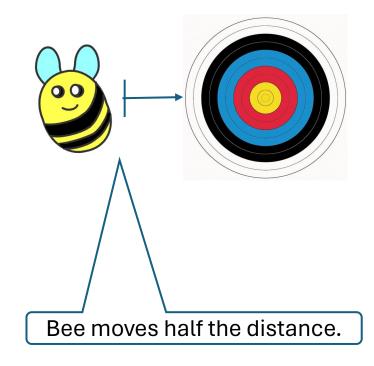


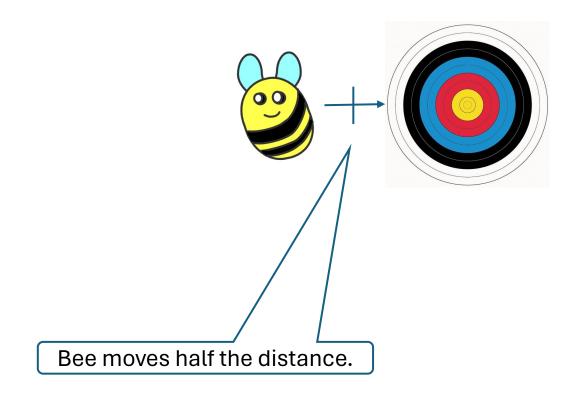


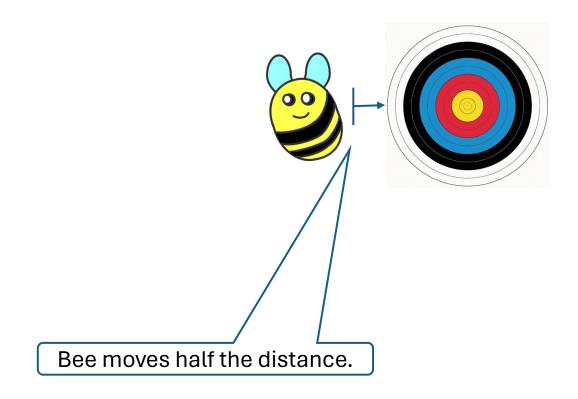


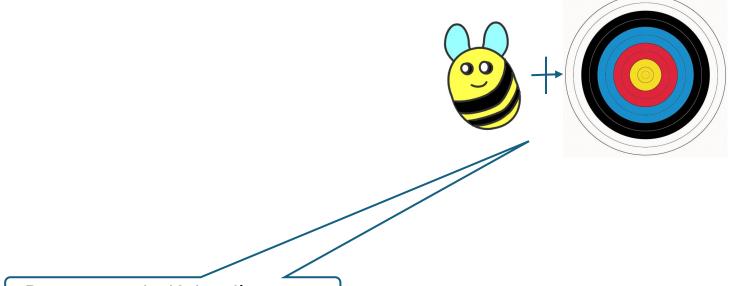


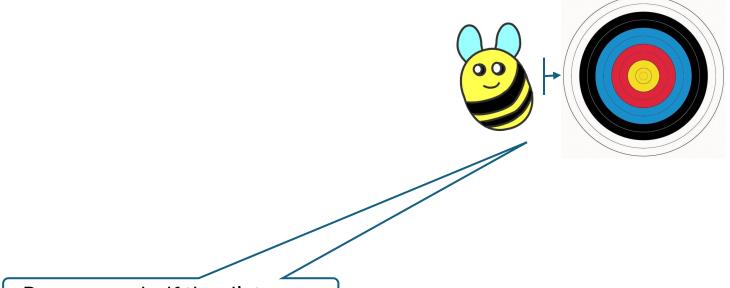


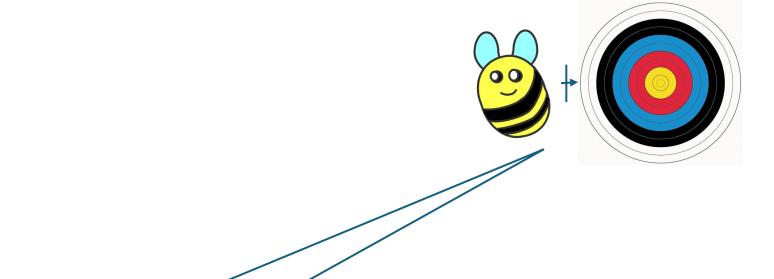


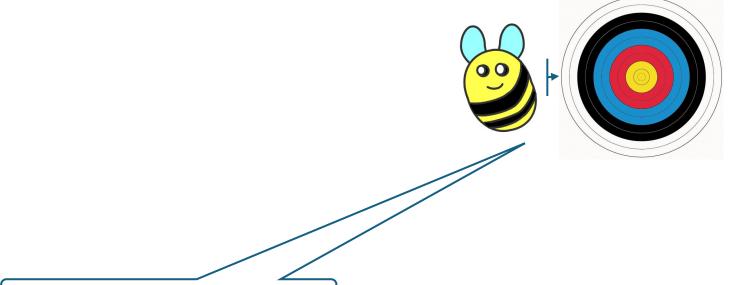








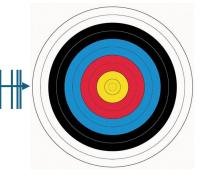


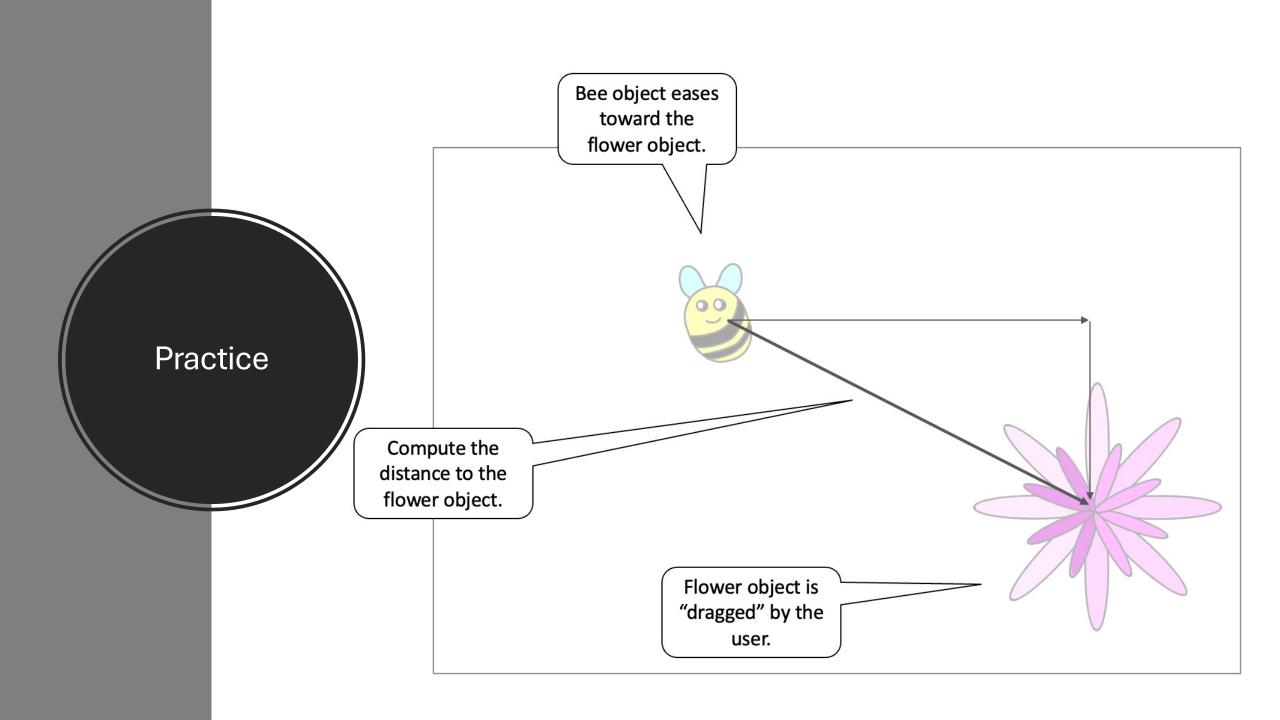


Bee Easing

Compute the distance at each game loop.



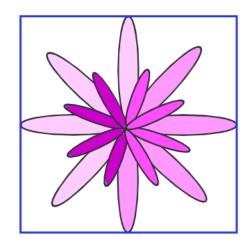




Preliminary Task #1



Construct a Bee object that flies toward the user's position on the screen. Use an easing movement.

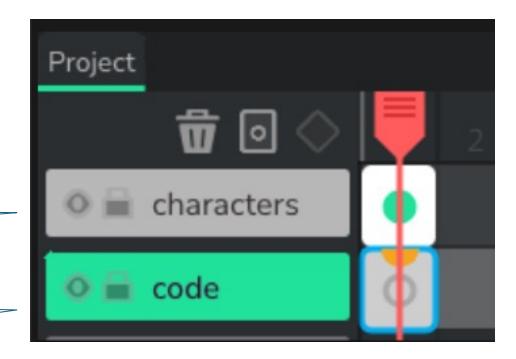


Construct a Flower object that can be moved using the mouse.

Preliminary Task #2

Bee and Flower objects.

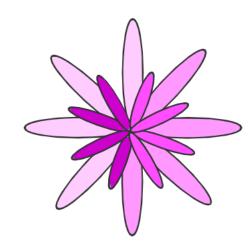
All game code will be in frame 1.



Task #3: Code the movement of the Flower

Follows the mouse movement.

Thoroughly test!



Task #4: Code the movement of the Bee

