State Machine

- * github link for this project: https://github.com/hannah-y-hy/24 1003 Yoo Sprite-Sheets
- 1. Variables defining the player's states
- : Velocity, Input.GetButtonDown("Jump"), Input.GetButtonUp("Horizontal")
- 2. What causes my variables to change values: Space bar press (jump), Horizontal arrow keys press/release
- 3. What is going on in each state:

Walking = true

Player sprite animation switches to "PlayerWalk"

Pressing right and left arrow keys (=horizontal input) moves the player.

Jumping = true

Adds upward force to the player

Space bar Pressed: the player sprite moves upward

Turning = true

Player sprite flips direction

This is based on key input (left/right arrow keys)

Walking = false

Animation switches back to "PlayerBounce", which is just an idle state.

velocity == too low

Jumping = false

Gravity pulls the player sprite back down

Space bar released: player coming back to the floor(blocks)

Turning = false

Player sprite just faces same direction if there's no change in left/right direction

Player keep pressing same arrow key or all arrow keys released (=no movement)