





Make a sprite move across the screen: Make the sprite move from one edge of the screen to the other, and then back again. You can also change the sprite's costume, direction, or size to make it more interesting.

When green flag clicked repeat move in current direction if at the boundary point in opposite direction (switch costume) (change size) end if

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Exercise 2

• Make a sprite say something: Make a sprite say hello, ask the user's name, and then say something nice about them.

When key 'space bar' pressed

name = input ("Hello! What's your name?")
output ("Hello, " + name + ". You are looking good today!")

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 Make a sprite change its color: Make a sprite change its color gradually, or randomly. Start the program by pressing the "c" key on the keyboard

When key C pressed

for i = 1 to 100 change color by i wait 0.1 seconds

When key C pressed

repeat

change color by (random)

wait 0.1 seconds





 Make a sprite bounce off the edges of the screen: Make a sprite move around the screen, and bounce off the edges when it touches them. You can also make the sprite bounce off other sprites, or make sound effects when it bounces. Press "s" to start

When key S pressed repeat move in current direction if touching edges point in direction (random) (emit sound) end if if touching other sprites point in direction (random) (emit sound) end if





 Make a sprite follow the mouse pointer: Make a sprite follow the mouse pointer wherever it goes. You can also make the sprite change its speed, size, or costume depending on the distance from the mouse pointer. Start by clicking the sprite

When sprite is clicked

wait 1 second repeat forever

> mouse x = x position of mouse mouse y = y position of mouse go to x: mouse x y: mouse y

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Week 2 Exercise

Create a guessing game: the sprite will greet the user and asks the user to guess a random number between 1 and 100, and the program gives feedback on whether the guess is too high, too low, or correct. The user can only guess ___ number of times (decided by the programmer) so the program needs to keep track of how many guesses the user has made. The game ends when the user guesses the correct number or runs out of guesses.