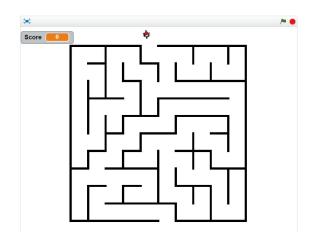
Maze Game

Academy of Code



Contents

Maze Game	
1.1 Maze Movement	1
1.2 Creating the Maze Barrier	2
1.3 Adding Sound & Scoring	3
2 Scratch Evamples	Δ

1 Maze Game

To start off with you need to remix the Maze Game Starter Pack.

Follow the following link to the Maze Game Starter Pack:

Maze Game Starter Pack

Select the "See Inside" Button then the "Remix" Button.

1.1 Maze Movement

Create the following code on the Giga Sprite.

Steps	Code
When Green Flag is clicked need to position Giga in the same place.	when / clicked
Then point in direction right (90)	ga to x: -20 y: 164 point in direction 90
Then set rotation style to "Don't Rotate".	set rotation style don't rotate
Example shown is for the right arrow key.	if key right arrow pressed? then
Now repeat this code for "Left Arrow", "Up Arrow", "Down Arrow"	move 5 steps next costume
Make sure you set "Point in direction" correctly each time.	

1.2 Creating the Maze Barrier

Create the following code on the Giga Sprite.

Steps Code Compare this block of code to the previous and note that we have added in a new block of code. This block tests to see if our Giga sprite is et rotation style don't rotate touching any black lines, using the touching colour sensor and if this key right arrow v pressed? test is true, then we take point in direction 90* back the previous steps. move 5 steps next costume This will stop Giga from crossing the black line. touching color move -5 steps Example shown is for the right arrow key. # Now repeat this code for "Left Arrow", "Up Arrow", "Down Arrow"

1.3 Adding Sound & Scoring

Create the following code on the Giga Sprite.

Steps Code Compare this block of code to the previous and note that we have added clicked in a new block of code go to x: (-16) y: 140 We have added in a variable called Score point in direction 90* and change this variable set rotation style don't rotate by "1" when Giga is not touching the black lines set Score v to 0 of the maze. We change the Score by key right arrow pressed? then "-1" when Giga is touching the black lines point in direction 90* of the maze. move (5) steps We also add in a "tap next costume conga" sound to alert the player that Giga is change Score v touching a maze wall! touching color Now repeat this code for move (-5) steps "Left Arrow", "Up Arrow", play sound tap conga "Down Arrow" change Score by -1

2 Scratch Examples

Maze Game Starter Pack

Maze Game: Step 1 - Movement

Maze Game: Step 2 - Creating the Maze Barrier

Maze Game: Step 3 - Add sound and scoring