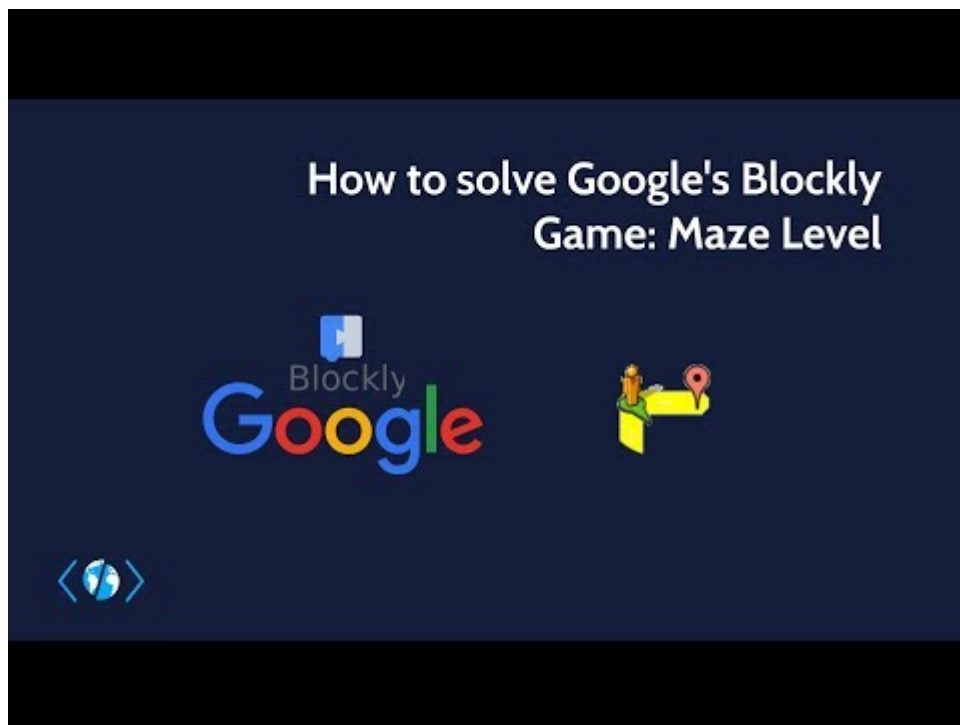


How to solve (solution) Google's Blockly Future Programmers Game: Maze Level

ourcodeworld.com/articles/read/894/how-to-solve-solution-google-s-blockly-future-programmers-game-maze-level

Learn how to solve all the levels of the Google's Blockly Maze (introduction to loops and conditionals).



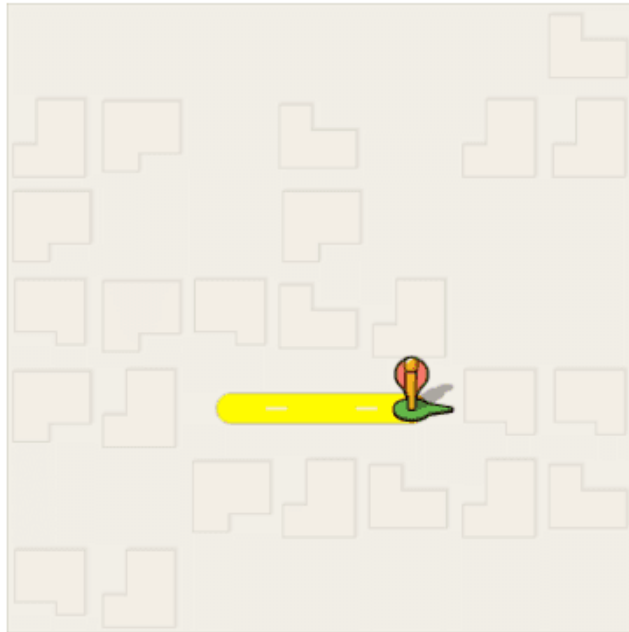
Watch Video At: <https://youtu.be/qIcNdAwZb40>

Google's Blockly Games is a series of educational games that teach programming. It is based on the Blockly library. All code is free and open source. The Maze Game is an introduction to loops and conditionals. It starts simply, but every level is more challenging than the last. The game engine and source is available as an open source project at Github here.

In this article we'll share with you the solution to all 10 levels available in the Maze Game of Blockly.

Level #1

Stack a couple of 'move forward' blocks together to help me reach the goal.

[X Reset](#)

move forward

turn left ↶

turn right ↷

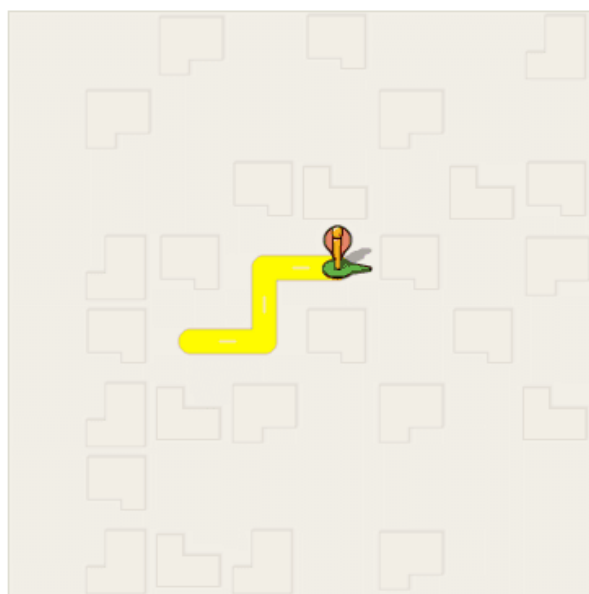
move forward

move forward

The respective JavaScript code of this level is:

```
moveForward();  
moveForward();
```

Level #2

[X Reset](#)

move forward

turn left ↶

turn right ↷

move forward

turn left ↶

move forward

turn right ↷

move forward

The respective JavaScript code of this level is:

```
moveForward();  
turnLeft();  
moveForward();  
turnRight();  
moveForward();
```

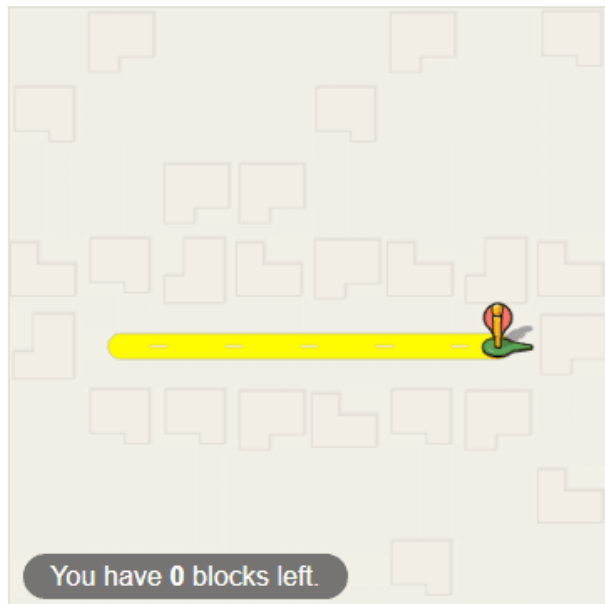
Level #3

Blockly Games : Maze



3

10



Reset

move forward

turn left ↶

turn right ↷

repeat until

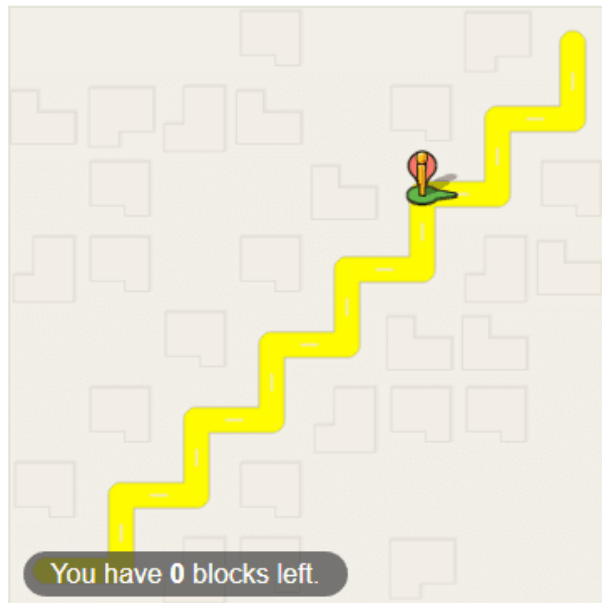
do

repeat until
do move forward

The respective JavaScript code of this level is:

```
while (notDone()) {  
  moveForward();  
}
```

Level #4

[Reset](#)

move forward

turn left ↶

turn right ↷

repeat until

do

repeat until

do

move forward

turn left ↶

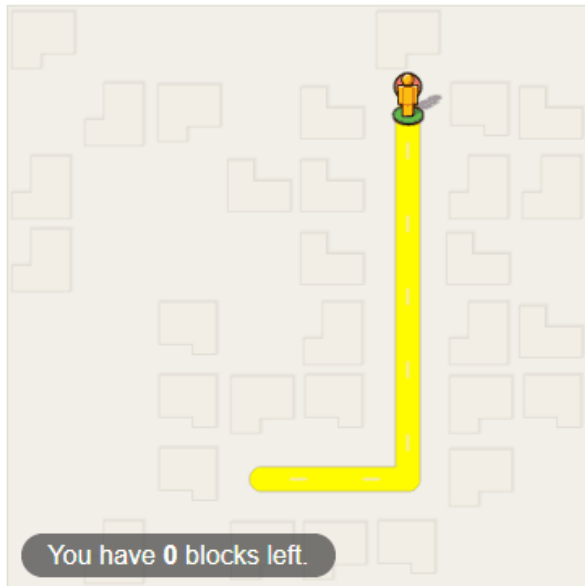
move forward

turn right ↷

The respective JavaScript code of this level is:

```
while (notDone()) {  
  moveForward();  
  turnLeft();  
  moveForward();  
  turnRight();  
}
```

Level #5

[X Reset](#)

move forward

turn left ↶

turn right ↷

repeat until 📍

do

move forward

move forward

turn left ↶

repeat until 📍

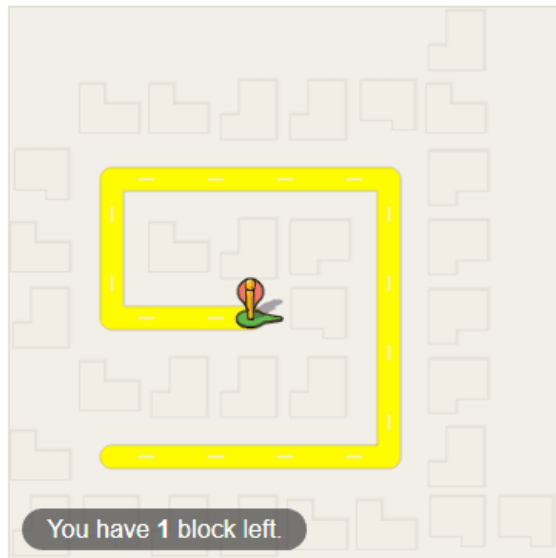
do

move forward

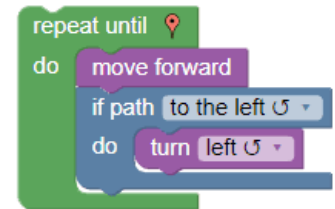
The respective JavaScript code of this level is:

```
moveForward();
moveForward();
turnLeft();
while (notDone()) {
  moveForward();
}
```

Level #6



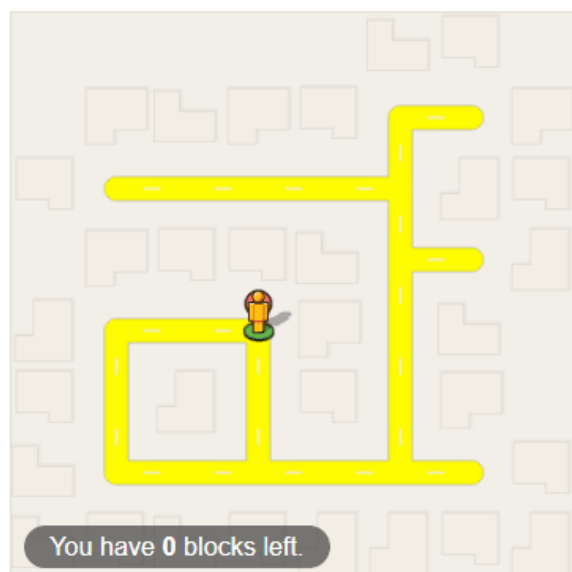
✖ Reset



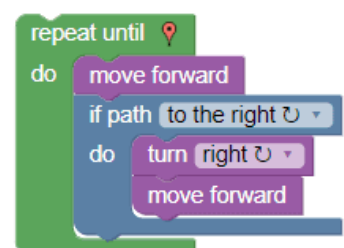
The respective JavaScript code of this level is:

```
while (notDone()) {
  moveForward();
  if (isPathLeft()) {
    turnLeft();
  }
}
```

Level #7



✖ Reset



The respective JavaScript code of this level is:

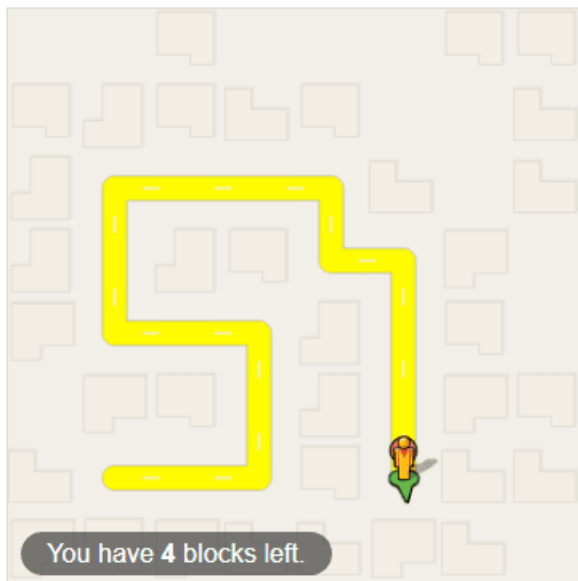
```
while (notDone()) {  
  moveForward();  
  if (isPathRight()) {  
    turnRight();  
    moveForward();  
  }  
}
```

Level #8

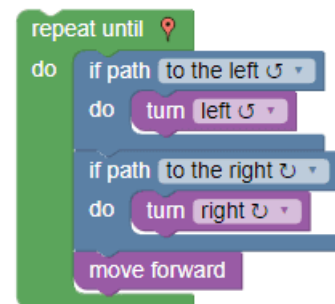
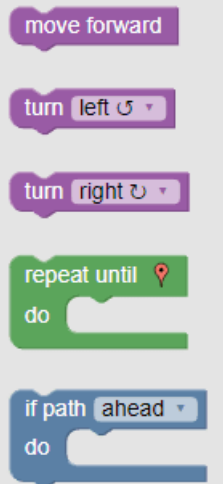
Blockly Games : Maze

8

10



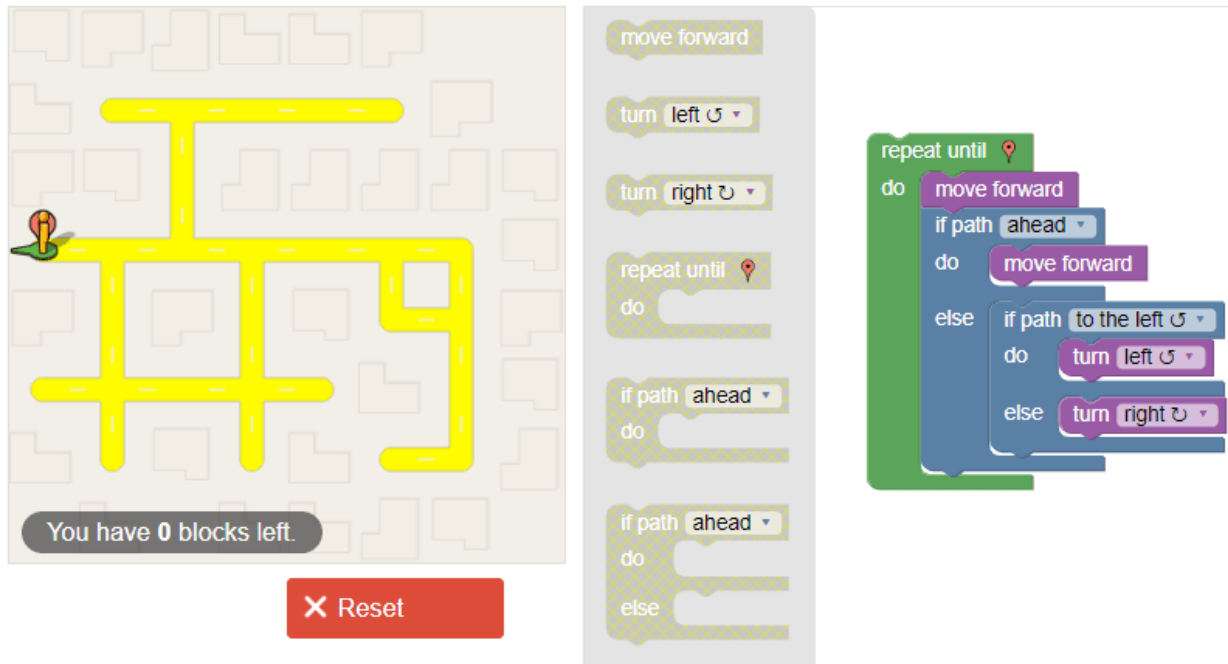
Reset



The respective JavaScript code of this level is:

```
while (notDone()) {  
  if (isPathLeft()) {  
    turnLeft();  
  }  
  if (isPathRight()) {  
    turnRight();  
  }  
  moveForward();  
}
```

Level #9

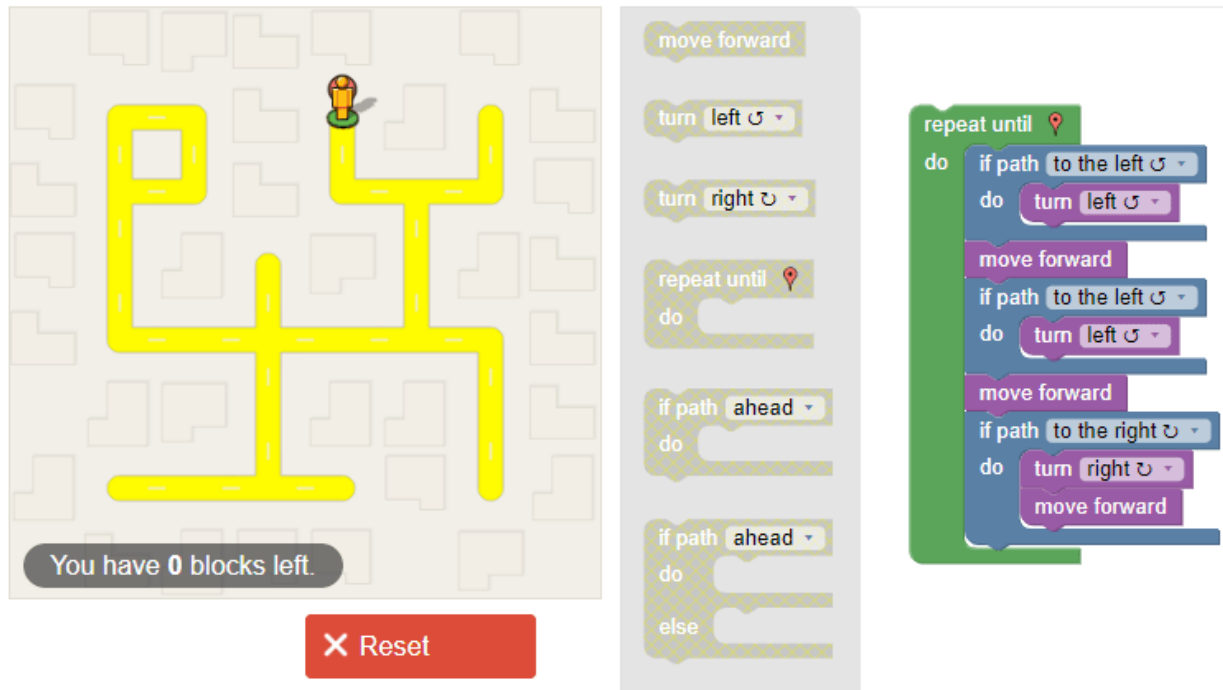


The respective JavaScript code of this level is:

```
while (notDone()) {
  moveForward();
  if (isPathForward()) {
    moveForward();
  } else {
    if (isPathLeft()) {
      turnLeft();
    } else {
      turnRight();
    }
  }
}
```

Level #10

Can you solve this complicated maze? Try following the left-hand wall. Advanced programmers only!



The respective JavaScript code of this level is:

```
while (notDone()) {
  if (isPathLeft()) {
    turnLeft();
  }
  moveForward();
  if (isPathLeft()) {
    turnLeft();
  }
  moveForward();
  if (isPathRight()) {
    turnRight();
    moveForward();
  }
}
```

Happy coding !