





Graphical Programming (3)

- But, why not have you write code that controls a graphical program?
- Maze program:
 - Move student around a maze
 - ~280 lines of graphical programming
 - You write the main method
 - You instantiate the Maze
 - You control the movement

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Maze Program: Initial Code

// Create maze
String fileName = args[0];
Maze maze = new Maze(fileName);
System.out.println("Maze name: " + fileName);

// Get dimensions

int mazeWidth = maze.getWidth(); int mazeHeight = maze.getHeight(); System.out.println("Maze width: " + mazeWidth); System.out.println("Maze height: " + mazeHeight);

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Maze Program: Moving

// Move commands

boolean success;

success = maze.moveRight(); // move right

success = maze.moveLeft(); // move left

success = maze.moveUp(); // move up

success = maze.moveDown(); // move down boolean done;

done = maze.isDone(); // true if done, else false

HINT: Must call maze.isDone after every move!

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