

THE AMAZING PUZZLE

The final project for CSC 111

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How to play the game?

1. Run the **Project.py** file to play the game.
2. A python package, **pygame**, needs to be installed. See [pygame official website](https://www.pygame.org/wiki/GettingStarted#Pygame%20Installation) to learn how to pip install pygame.
<https://www.pygame.org/wiki/GettingStarted#Pygame%20Installation>

Game Description

Bored by problem sets and papers? Let our **Amazing Puzzle** sharp your brain! Choose a difficulty level and challenge yourself!

1. **How to win?**
 - Make the yellow and blue squares cover the two static grey squares.
2. **How to play?**
 - Choose a **difficulty level** from level 9, 99, and 999.
 - Control the movement of the yellow square and the blue square by hitting the **left, right, up, or down arrow keys** on your keyboard.
3. **Any rules?**
 - The two squares **move together** (i.e. if you hit the up arrow key, both squares will move up a grid)
 - **NO MOVEMENT when hitting a wall.** If only one of the square is stopped by the wall, the other one will move normally (this is a strategy you can use to move only one square).
 - The squares will be **transported by the numbers** around the game board. All the numbers appear in pairs and they are like channels between grids. If you move a colored square out of the board from one number, the colored square will reappear in the other grid surrounded by the same number.
 - **NO OVERLAP** of the two squares.
4. **Everything will be clear when you try it out!**

There are two functions in the Project.py file: 1. the main() function 2. the createsq() function

