

PAC-MAN



Cloudflight Coding Contest
11th November 2022

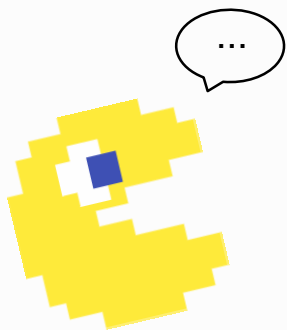


Pacman and the ghosts forgot how to
play the game of Pacman.
Can you teach them how to do it?



LEVEL 1





Pacman: I'm looking forward to collecting some coins.
Can you tell me how many there are?

Your task:

You are given a Pacman game board with coins on it.

The coins are represented by a 'C', the walls are represented by a 'W', Pacman is represented by a 'P'.

Count the number of coins.





	Input	Output
Format	<code>N</code> <code>boardMatrix</code>	<code>coinCount</code>
Types	<code>N (int)</code> : the number of rows and columns of the board (range: 1 - 100) <code>boardMatrix (StringList)</code> : N strings with the length of N	<code>coinCount (int)</code> : the number of coins ('C's) that are on the board
Example	7 WWWWWWW WCPCCCW WCWWWCW WCCCCCW WCWWWCW WCCCCCW WWWWWWW	18





A Pac-Man maze game with a black background and blue maze walls. The text "GOOD LUCK" is displayed in the center in a white, pixelated font. The maze is divided into four quadrants by a central horizontal and vertical corridor. In the top-left quadrant, Pac-Man is at the left edge, and four ghosts (cyan, yellow, blue, and red) are at the top. In the top-right quadrant, three ghosts (red, yellow, and pink) are at the top. In the bottom-left quadrant, a cyan ghost is at the bottom-left, and a yellow ghost is in the middle. In the bottom-right quadrant, a red ghost is on the right edge. Dotted lines indicate the current paths of Pac-Man and several ghosts. The maze features various sized rectangular openings and dead ends.

GOOD LUCK