



Classic Retro Snake Game

MATLAB PROJECT



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Introduction



The game called "Snake" or "Snake Game" typically involve the player controlling a line or snake, there is no official version of the game, so gameplay varies. The most common version of the game involves the snake or line eating items which make it longer.

The player loses when the snake runs into its own body. Because of this, the game becomes more difficult as it goes on, due to the growth of the snake.

Nokia has installed the "Snake Game" on many of its phones. The game is also available on several websites.

History



The Snake has appeared in many different forms over the decade, but its first appearance took place in the mid 1970s and was called BLOCKADE. It was the creation of Gremlin Industries, who specialized in coin operated arcade machines.

By 1997, it had found its way into people's pocket, onto their Nokia phones and created the craze of mobile gaming among teenagers. The Nokia 6110 was Nokia's first phone with Snake and they continued to manufacture new models with the game installed throughout the next decade.

About The Project



Objective

To make the game using MATLAB.

Inspiration

In our childhood we used to play snake game using featured phone. At that time we were curious about how the game was made. It inspired us to do the project.

Description

After running the code of the project there will be a window and there will be a snake and a fruit. The snake can be controlled using the arrow keys. The game will be over if it bites its own body.

Snake Game Design

**Creating
Images**

**Generate
Snakes**

**Controlling
Snake**

**Generate
Target**

**Increase
Snake Length**

**Game over
when bite
itself**

Functionalities

1

The snake can be controlled by on-screen buttons as well as the arrow keys.

2

Length of the snake increases.

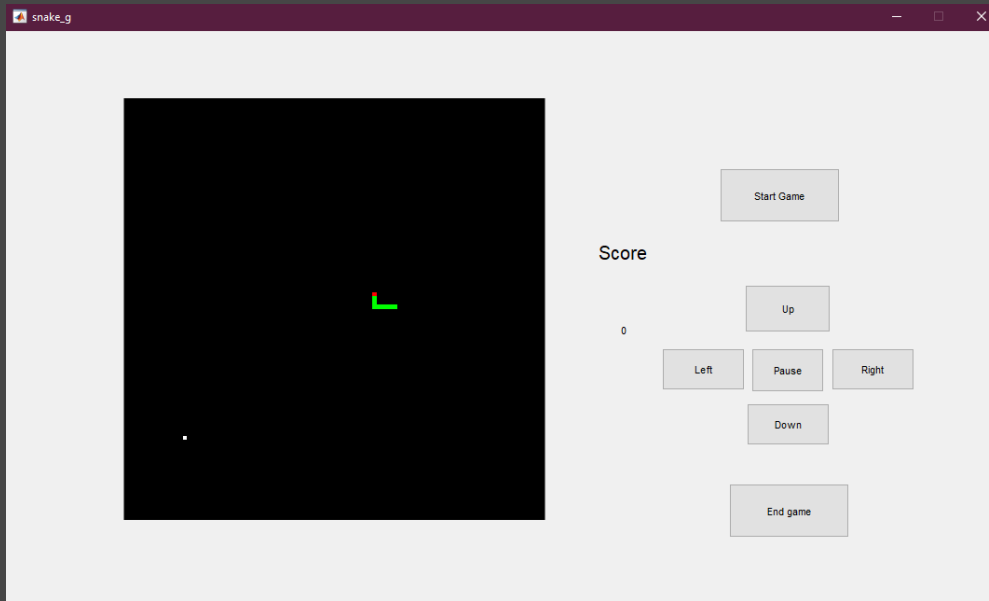
3

Score increases by 1 if a fruit is eaten.

4

Game over when the snake bite itself.

Output of The Project



Here comes the output display frame of the project. Here in the picture we can see the green colour snake and the white colour fruit.

Limitations

1

The game is in just 2D.

2

There is no level upgrade
in this game.

3

The game is not portable.

Our Team



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