Project Proposal

Computer Organization & Assembly Language

2048 Game

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Introduction:

Standard 2048 Game.

Problem Statement:

Usually Bland and gets boring too quickly.

Proposed Solution:

Add new features to make game more interesting.

Features:

A simple single player 2048 Game with some new features. The logic of the game is simple as we all we need to do is check if the same number is in its direction of movement and if its then combine the two numbers. If the whole board is full then game over. The player will be able to control the movement of the numbers using the arrow keys and that in turn will update a 2D grid. After every move, the game will check if the number 2048 exists on the board; if it does then the player won, however if the board is full with no numbers that can add, and there is no 2048 on the board then the player has lost. Here is a picture of the game:

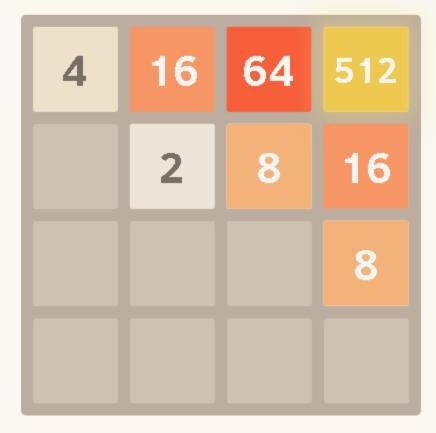
2048

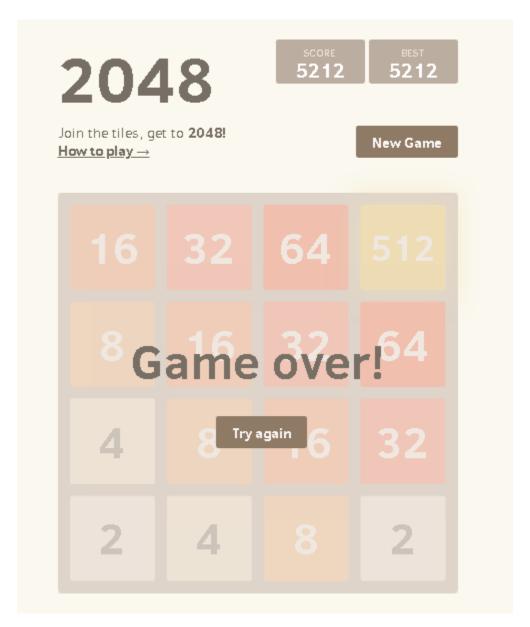
SCORE **4444**

BEST 4444

Join the tiles, get to 2048! How to play \rightarrow

New Game





https://2048game.com/

Tools and Technologies

Visual Studio and MASM language.