

CONNECT FOUR

SHRI VISHNU ENGINEERING

FOR WOMEN

BATCH NO : 9

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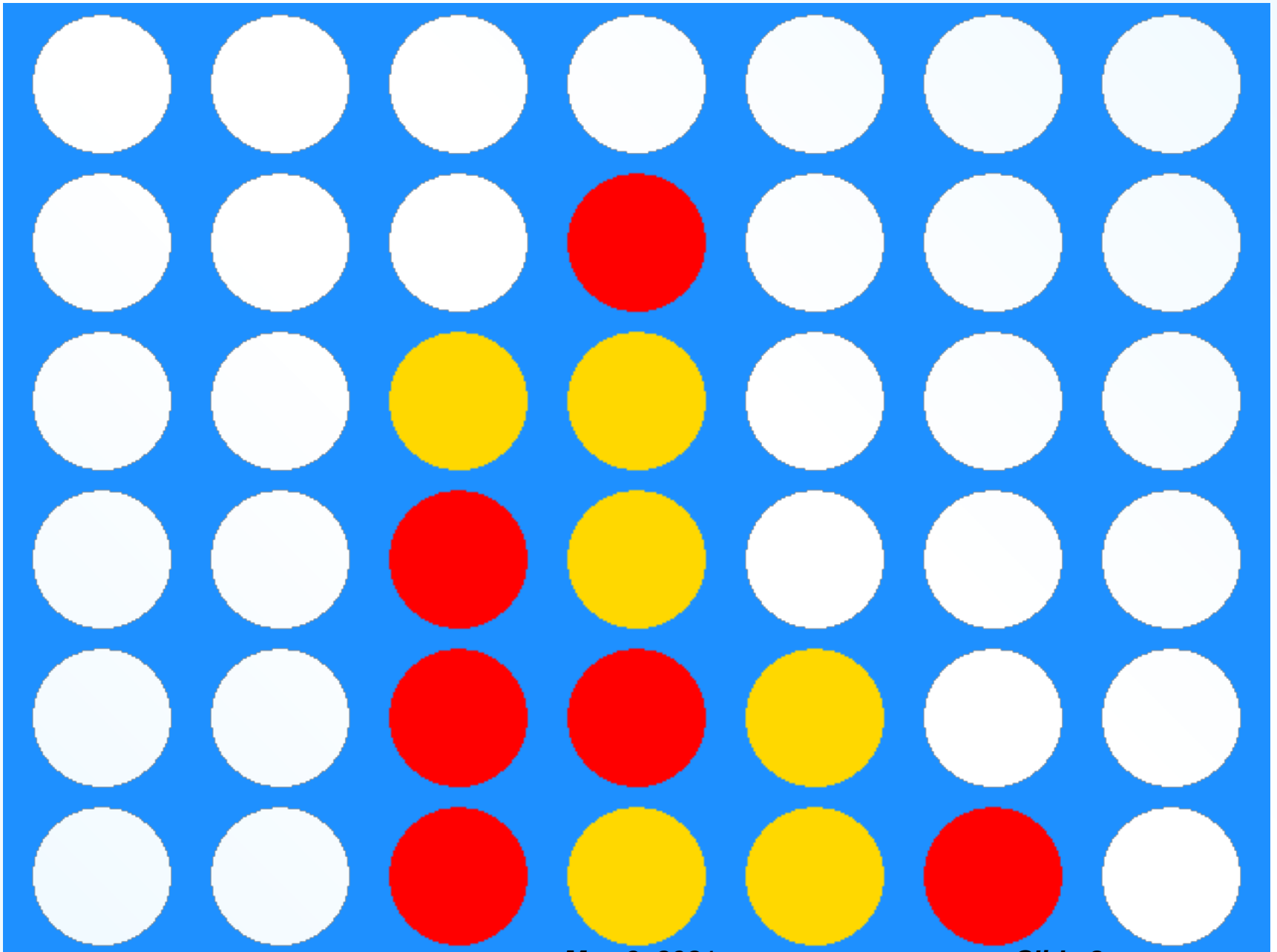
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Problem Statement

Connect Four is a two player, turn based game, where each player tries to align four game coins either horizontally, vertically or diagonally in the '7 * 6' game board.



Learnings

- **Proper documentation of projects using LaTeX.**
- **Working with repositories in Gitlab.**
- **Implementation of background graphics using Pygame.**

Approach

- 1. Built the basic structure of the game.**
- 2. Implemented the winning strategy.**
- 3. Drew the background graphics of the game.**
- 4. Handled the events using Pygame.**
- 5. Added text and sound effects to the game.**

Date : Task done

03/05/2020 : Basic structure of game.

04/05/2020 : Command line implementation of game.

**05/05/2020 : Graphical interface to display the screen
and drop pieces.**

06/05/2020 : Implemented game in GUI.

07/05/2020 : Sound effects to game.

Challenges

- **Working on the project remotely.**
- **Integrating the logic with GUI.**

Tech Stacks

Operating System : Windows

Programming Language : Python

Version Control System : Gitlab

Presentation Tool : Latex

Code Editor : Vim

Module : Pygame

Statistics

No. of functions	:	11
Total lines of code	:	216
Total commits	:	30
Repository size	:	297 kb

☰ | Sireesha Pinninti > Connect 4 project



Connect 4 project 🌐

Project ID: 26363174 [Leave project](#)

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🔑 30 Commits 🌿 1 Branch 🏷 0 Tags 📁 297 KB Files 💾 297 KB Storage

master ▾

connect-4-project / + ▾

History

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Image used to highlight the win coins
DEDEEYA PALAKURTHI authored 1 hour ago

8e276722



📁 Upload File

📄 README

📄 CI/CD configuration

+ Add LICENSE

+ Add CHANGELOG

+ Add CONTRIBUTING

+ Add Kubernetes cluster

Name	Last commit	Last update
📁 Connect4 game_UI	Image used to highlight the wi...	1 hour ago

May 8, 2021

Slide 10

Reference

https://gitlab.com/Sireesha_pinninti/connect-4-project.git

Resources

Pygame modules :

<https://cs.hofstra.edu/docs/pages/guides/InstallingPygame.html>

<http://www.pygame.org>

Sounds :

<https://www.zapsplat.com/sound-effect-category/game-sounds/>

Future Scope

- **Options to choose single player or two players.**
- **Can be implemented as online game that enable players from different locations to play remotely.**

Thank you