🐍 Snake Game with Streamlit

A classic Snake game built with Python and Streamlit for the frontend.

Features

- Classic Snake gameplay

- Real-time game board visualization

- Score tracking

- Game over detection

- Easy-to-use button controls

- Auto-refresh for smooth gameplay

Installation

1. Install the required dependencies:

```bash
pip install -r requirements.txt
```

How to Run

1. Start the Streamlit app:

```bash
streamlit run streamlit_app.py
```

2. Open your browser and navigate to the URL shown in the terminal (usually `http://localhost:8501`)

How to Play

- Use the arrow buttons to control the snake's direction

- Eat the red food to grow and increase your score

- Avoid hitting the walls or your own tail

- Press "Restart Game" to start a new game

Game Controls

- ⬅️ Left: Move snake left

- ⬆️ Up: Move snake up

- ⬇️ Down: Move snake down

- ➡️ Right: Move snake right

- 🔄 Restart: Start a new game

Files

- `snake_game.py`: Contains the game logic and SnakeGame class

- `streamlit_app.py`: Streamlit frontend application

- `requirements.txt`: Python dependencies

- `README.md`: This file

Enjoy playing! 🎮