Rock-Paper-Scissors

This Rock-Paper-Scissors game is a simple and engaging GUI-based application developed using Python's **Tkinter** module. The application allows users to play the classic game in two modes: **Player vs Computer** and **Player vs Player**. The interface is user-friendly, making it enjoyable for players of all ages.

Features

- **Two Game Modes**:
  - **Player vs Computer**: The user competes against the computer, which randomly selects an option (Rock, Paper, or Scissors).
  - **Player vs Player**: Two players take turns selecting their choices, with dedicated dialog boxes for each player.
- **Interactive GUI**:
  - Radio buttons for selecting game modes with dynamic updates.
  - Clearly labeled sections for displaying player choices, results, and scores.
  - Emoji-enhanced buttons for Rock , Paper □, and Scissors ✂ to make the interface visually appealing.
- **Result Announcement**:
  - Displays the winner of each round with clear and color-coded labels:
    - **Green** for Player 1 wins.
    - **Blue** for Player 2 wins (in Player vs Player mode).
    - **Red** for Computer wins (in Player vs Computer mode).
    - **Gray** for a tie.
- **Score Tracking**:
  - Separate scores for the user and computer in "Player vs Computer" mode.
  - Live score updates after every round.
- **Game Reset**:
  - A dedicated "Reset Game" button to reset scores and start a new session.
  - A confirmation message is displayed upon resetting.

How It Works

1. **Game Mode Selection**:
   - Use the radio buttons to select either "Player vs Computer" or "Player vs Player."
   - The selected mode dynamically adjusts the game interface.
2. **Player Choices**:
   - In **Player vs Computer**, select Rock, Paper, or Scissors from the main window, and the computer makes a random choice.

    - In **Player vs Player**, Player 1 and Player 2 are prompted with separate dialog boxes to make their selections.
3. **Result Display**:
    - The choices and results are displayed prominently on the main window.
    - Winners are announced after each round.
4. **Reset**:
    - Click the "Reset Game" button to reset all scores and start a new game.

Advantages

- Simple and intuitive interface.
- Lightweight and requires no external dependencies beyond Python's standard library.
- Supports two-player interaction, enhancing the social aspect of the game.
- Visual appeal through emojis and dynamic color-coded labels.