📄 Emoji Riddle Game - Documentation

I. Overview

This Python script is an interactive **two-player emoji guessing game** where players take turns guessing the meaning of emojis embedded in fun and thematic sentences. Points are awarded for correct answers, and the winner is announced at the end.

II. Workflow of the Emoji Riddle Game Program

1. A **predefined list of emoji sentences** and their word mappings is stored in a list of dictionaries called emoji_hint_sentences.
2. The program starts with **a menu** offering two options, to either start the game or exit the program.
3. A welcome message and basic instructions are displayed.
4. The players are prompted to enter the **number of rounds** (validated as a positive integer), then their names.
5. In the event of duplicate names, this is resolved by appending "(2)" to the second one.
6. **The scores for both players are initialized to zero.**
7. For **each round,** a unique emoji sentence is randomly selected from emoji_hint_sentences (already-used ones are excluded).
8. The sentence is displayed to the players.
9. Each emoji in the sentence is presented one-by-one.
10. For each emoji**,** the current player is asked to guess its meaning.
11. The answer is checked and awarded a point if correct.
12. Turn switches to the other player.
13. After all rounds are completed, final scores are printed.
14. If one player has more points, they are declared the winner, else it's a tie.
15. The game ends with a thank-you message, and the user is returned to the main menu.

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III.   Example of Program execution Flow

```
--- Emoji Riddle Game ---
1. Start the Emoji Riddle Game
2. Exit
Choose an option (1 or 2):  1

🎮 Welcome to the Emoji Riddle Game!
👥 This game is for 2 players.
✨ Get ready to guess the meaning behind emojis

How many rounds would you like to play?:  1
Enter player 1's name:  Edmond
Enter player 2's name:  Didier

🎯 Round 1 of 1
🔤 Sentence: 🤠 and ☕ make me feel 😊 and 😎

Edmond, what does '🤠' mean?
Your answer:  Sun
✅ Correct!

Didier, what does '☕' mean?
Your answer:  coffee
✅ Correct!

Edmond, what does '😊' mean?
Your answer:  smile
❌ Incorrect. The correct answer was 'happy'.

Didier, what does '😎' mean?
Your answer:  cool
✅ Correct!

🏁 Game Over! Final Scores:
Edmond: 1 point(s)
Didier: 2 point(s)
🎉 Didier wins!
```

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```
                    🤗 🎮 Thanks for playing! See you next time!


--- Emoji Riddle Game ---
1. Start the Emoji Riddle Game
2. Exit
Choose an option (1 or 2):  2

Goodbye! 👋
```

IV.   Assumptions and Validations

- The game handles invalid input for rounds and menu selection.

- Player names are capitalized and default to "Player 1" and "Player 2" if left empty.

- Duplicate player names are automatically resolved (adds "(2)" to second).

V.   Suggestions for future enhancements

- Add difficulty levels with varying sentence complexity.

- Include a timer for answers.

- Keep a track of past top scores

- Add sound or visual effects for correct / wrong answers (for GUI versions).

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