Number Guessing Game

Purpose:

- A text-based guessing game where the player tries to guess a randomly generated number.
- Offers different difficulty levels and tracks player statistics.

Key Components:

Header Files:

 iostream, cstdlib, ctime, vector, string for input/output, random number generation, time, storing data, and handling text.

• Functions:

- displayWelcomeLogo(): Displays a welcome message.
- displaySparkles(): Displays a winning message.
- o displaySadFace(): Displays a losing message.
- o displayLastRounds(): Shows the results of the last 3 games.
- displayStats(): Displays overall game statistics.

Main Function:

- o Initializes variables for tracking game data.
- Displays a menu with options: new game, view last rounds, see stats, or exit.
- Handles user input and performs corresponding actions.
- o For a new game:
 - Sets difficulty level (easy, medium, hard).
 - Generates a random number.
 - Allows the player to guess the number within a limited number of attempts.
 - Provides hints based on the guess.
 - Records the game result (win or loss).
- Updates and displays game statistics and last round results.

Additional Features:

- Last attempt hint: Provides 5 options to choose from.
- Win/loss messages with details.
- Player statistics tracking.
- User-friendly interface with clear messages.