Online Quiz System

MCQ-based quiz with scoring

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INTRODUCTION AND PROGRAM OVERVIEW

- A simple multiple-choice quiz program written in C.
- **Main Features**:
  - Three multiple-choice questions.
  - Timer functionality (optional).
  - Tracks and displays the user's score.
  - Saves high scores to a file and displays them.

PROGRAM AND MCQ STRUCTURE

➢ **Program Structure**:

- **MCQ Structure**: Stores questions, options, and answers.
- **Functions**:
  - **loadSampleQuestions()**: Loads predefined questions.
  - **saveHighScore()**: Saves high scores to a file.
  - **showHighScores()**: Displays high scores.

➢ **MCQ Structure**:

- **question**: Stores the text of the question.
- **options**: Array holding options (A, B, C, D).
- **answer**: Stores the correct answer (e.g., 'A', 'B').

QUIZ LOGIC AND TIMER

- **Quiz Logic:**
  - User answers questions (A, B, C, D).
  - Program checks answers and updates the score.
  - Displays score after the quiz.
- **Timer Functionality:**
  - Timer is optional based on user input.
  - Ends quiz if 60 seconds pass.

HIGH SCORES AND USER INTERACTION

- **High Score System**:
  - •Saves and displays high scores in highscore.txt.
- •**User Interaction**:
  - •User inputs name, chooses timer preference, and answers questions.
  - •Program checks answers and displays the score at the end.

CODE WALKTHROUGH AND CONCLUSION

- **Key Code Highlights**:

  - Loading questions, timing, and saving high scores.

- **Conclusion**:

  - Recap of the program's features: quiz, timer, high score tracking.

  - Future improvements: Customizable timer, dynamic questions, error handling.

CODE:

https://onlinegdb.com/Gkw6cEKJS

OUTPUT SAMPLE

THANK YOU