Project Instructions: Terminal-Based Quiz Application in PHP

Task Description:

You will write a PHP script for a Quiz Application that:

1. Asks a set of predefined questions to the user.

2. Evaluates the user's answers.

3. Provides a score and feedback based on their performance.

Requirements:

1. Define the following function:

- evaluateQuiz(array $questions, array $answers): int

- Accepts two arrays as parameters:

- $questions: An array of questions where each question has a question text and a correct answer.

- $answers: An array of user-provided answers.

- Compares the user's answers to the correct answers and calculates the score.

- Returns the total score.

2. Create a set of quiz questions:

- Define an array of questions, each with a question and correct answer.

- Example:

php

$questions = [

['question' => 'What is 2 + 2?', 'correct' =>

'4'],

['question' => 'What is the capital of France?', 'correct' => 'Paris'],

['question' => 'Who wrote "Hamlet"?',

'correct' => 'Shakespeare'],

];

3. Collect answers from the user:

- Use a foreach loop to display each question and collect the user's answer using readline().

- Store the user's answers in an array.

4. Evaluate the user's score:

- Pass the $questions and $answers arrays to the evaluateQuiz function.

- Display the score to the user in the format: "You scored X out of Y."

5. Provide feedback based on performance:

- If the user scores full marks, display: "Excellent job!"

- If the user scores more than half but less than full, display: "Good effort!"

- Otherwise, display: "Better luck next time!"

Example Output:

1. What is 2 + 2?

Your answer: 4

2. What is the capital of France?

Your answer: Paris

3. Who wrote "Hamlet"?

Your answer: Shakespeare

You scored 3 out of 3.

Excellent job!