taskDay18: Digital Egypt Pioneers Initiative (DEPI)

Building a Simple Exam Page with Session-Based Tab Activity Tracking

Objective:

Create a basic exam webpage that uses sessionStorage to monitor and manage user behavior during the test. This task will help you practice using sessionStorage to temporarily store data that persists only during the current session.

Page Requirements:

1. **Exam Page Setup:**
   * Create an exam page with at least 5 multiple-choice questions.
   * Use sessionStorage to save the student's answers as they progress through the exam. This ensures that if the page is refreshed, the answers will still be there.
2. **Tab Activity Monitoring:**
   * Implement a simple script that detects when the student switches away from the exam tab or minimizes the window.
   * Store the count of how many times the student leaves the exam tab in sessionStorage.
3. **Warning System:**
   * Display a warning message on the screen each time the student leaves the exam tab.
   * Set a limit (e.g., 3 times) on how many times the student can leave the tab before the exam is locked.
   * If the student exceeds this limit, display a message indicating that the exam has been locked, and prevent further interaction with the exam.

**Expected Output:**

* **Exam Page:** A simple, functional exam page where user answers are saved using sessionStorage.
* **Tab Activity Monitoring:** The page tracks when the student leaves the tab, and stores this data in sessionStorage.
* **Warning System:** The student receives warnings if they leave the tab too many times, and the exam is locked after exceeding the allowed limit.

**Submission:**

* Submit your HTML/JS files with a brief description of how your project works, specifically focusing on how you used sessionStorage to manage the exam data and monitor tab activity.