Assignment 3: SQL Injection Vulnerability and Defense

In this lab, a web application has been deliberately designed with vulnerabilities to SQL injection attacks, highlighting common mistakes made by developers. Your objective is to identify these vulnerabilities, exploit them to demonstrate the potential damage, and develop techniques to defend against such attacks.

YOU MAY DO THIS ASSIGNMENT IN PAIRS.

Task Requirements:

1. Identify and exploit SQL injection vulnerabilities in the application.

2. Demonstrate the potential impact of successful SQL injection attacks.

3. Explain the defense mechanisms and techniques to prevent these vulnerabilities.

Please follow the link for detailed instructions on the tasks:
https://seedsecuritylabs.org/Labs_20.04/Web/Web_SQL_Injection/

Submission:

- Include screenshots showing each exploitation step with detailed explanations.

- Provide a written description of the findings and the defensive techniques.

- Screenshots and explanations will be evaluated for credit.