



מבוא לבדיקות חוסן Web | 11 שעות תוכן | 60 שעות תירגול | פרויקט גמר

SQL.4

- Introduction to SQL
 - ?What is SQL
 - Purpose of SQL
 - SQL syntax
 - SQL data types
- Creating Tables
 - Creating tables
 - Defining columns
 - Setting primary keys
 - Defining data types
- Inserting Data
 - Inserting data into tables
 - Using INSERT statement
 - Using VALUES keyword
- Reading Data
 - Reading data from tables
 - Using SELECT statement
 - Filtering data with WHERE clause
 - Sorting data with ORDER BY clause
- Updating Data
 - Updating data in tables
 - Using UPDATE statement
 - Modifying data with SET clause
 - Filtering data with WHERE clause
- Deleting Data
 - Deleting data from tables
 - Using DELETE statement
 - Filtering data with WHERE clause

CSS and HTML •

- Linking CSS and HTML
- Styling HTML elements
- Advanced CSS selectors

JavaScript.3

- Introduction to JavaScript
 - What is JavaScript
 - Purpose of JavaScript
 - JavaScript syntax
- Inline, internal, and external scripts
- Variables and Data Types
 - Variables
 - Data types
 - Type coercion
- Operators and Expressions
 - Arithmetic operators
 - Comparison operators
 - Logical operators
 - Conditional statements
- Functions
 - Function definition and invocation
 - Parameters and arguments
 - Return statement
- Arrays and Objects
 - Array definition and manipulation
 - Object definition and manipulation
 - Properties and methods
 - JSON format
- Loops and Iteration
 - For loop
 - While loop
 - Do-while loop
 - Array iteration methods
- DOM Manipulation
 - Introduction to the DOM
 - DOM traversal and manipulation
 - Event handling
- AJAX and Fetch API
 - Introduction to AJAX
 - Fetch API
 - JSON data format
- Error Handling and Debugging
 - Common JavaScript errors
 - Debugging tools
- ES6 Features
 - .let and const keywords
 - Arrow functions
 - Template literals
- jQuery
 - Introduction to jQuery
 - Ajax with jQuery

HTML.1

- Introduction to HTML
 - What is HTML ?
 - Purpose of HTML
 - HTML syntax
 - HTML Elements
- HTML tags and attributes
- HTML structure and hierarchy
- Block-level and inline-level elements
- Semantic HTML
- Document Structure
 - HTML document structure
 - Head and body sections
- Text Formatting
 - Text formatting tags
 - Heading tags
 - Paragraph tags
 - Lists
- Links and Images
 - Anchor tags and href attribute
 - Image tags and src attribute
 - Image formats
- Tables
 - Table tags
 - Table structure
 - Table cells and rows
- Forms
 - Form tags
 - Input types and attributes
 - Submit buttons

CSS.2

- Introduction to CSS
 - What is CSS
 - Purpose of CSS
 - CSS syntax
- Inline, internal, and external styles
- CSS Selectors
 - CSS selector types
 - Selector specificity
 - Selector combinations
- Pseudo-classes and pseudo-elements
- Box Model and Layout
 - Box model
 - .Margin, border, padding
 - .Display property
 - Float and clear
 - Positioning
- Colors and Backgrounds
 - Color models
 - Color properties
 - Background properties
- Responsive Design
 - Responsive units
 - Flexbox



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BASIC CRUD application.6

- :Using html, CSS, js, SQL and php to
 - Read data from DB
 - Update data into tables and columns
 - Inserting data into DB
 - Deleting data from DB

Complete web application.7

- :Using html, CSS, js, SQL and php to
 - Create Login and register mechanism
 - Creating pagination
 - Updating user profile
 - Session in PHP

PHP.5

- Introduction to PHP
- What is PHP
- Purpose of PHP
- PHP syntax
- Inline, internal, and external scripts
- Variables and Data Types
 - Variables
 - Data types
 - Type coercion
 - Scope
- Operators and Expressions
 - Arithmetic operators
 - Comparison operators
 - Logical operators
 - Conditional statements
- Functions
 - Function definition and invocation
 - Parameters and arguments
 - Return statement
- Arrays and Objects
 - Array definition and manipulation
 - Object definition and manipulation
 - Properties and methods
 - JSON format
- Control Structures
 - If/else statements
 - Switch statements
 - (Loops (for, while, do-while
 - Break and continue statements
- Forms and User Input
 - Handling form data
 - Retrieving user input with GET and POST
 - Sanitizing and validating user input
 - Session handling
- Cookies
 - Introduction to cookies
 - Setting and retrieving cookies
 - Deleting cookies
- Database Connectivity
 - Introduction to database connectivity
 - Connecting to databases
 - Executing SQL queries
 - Retrieving and manipulating data
 - Prepared statements
- PHP and HTML
 - Embedding PHP in HTML
 - Using PHP to generate HTML content



בדיקות חוסן Web | 10 שעות תוכן | 110 שעות תירגול | פרויקט גמר

3. מתודולוגיית בדיקה וכתובת דו"ח

- הגשת דוחות ופרויקטים
- כתיבת דו"ח PT
- מתודולוגיית בדיקה

1. ניתוח קוד וזיהוי ליקויי אבטחה

- דרכי חשיבה
- חקירת מקרה: Facebook messenger
- הקמת סביבת מחקר
- בסיס Chrome Developer tools
- מתקדם Chrome Developer tools
- בסיס BurpSuite
- מתקדם BurpSuite

2. חולשות OWASP Top 10

- חקירת מקרה: הזרקת קוד Ebay
- (Xss (Reflected,Stored,Dom
- Css Injection
- Advanced Xss
- Sop,Cors,Jsonp
- CSP
- חקירת מקרה: הזרקת קוד AliExpress
- OpenRedirect
- SSRF&CSRF
- חקירת מקרה: השתלטות על חשבון SnapChat
- Storage Browser and Cookies
- Advanced CSS Injection
- חקירת מקרה: השתלטות על שואב LG
- SmartThing
- Oauth2
- Components Known Vulnerabilities
- חקירת מקרה: Facebook chat
- Security Misconfigurations
- מניפולציה על פרמטרים
- LFI/RFI/Path traversal
- חקירת מקרה: ATO Whatsapp & Telegram
- Broken Access Control
- JWT
- Sensitive Data Exposure
- Broken Authentication
- Session Fixation
- Insufficient Anti Authomation
- Command injection
- SQL Injection Basic
- SQL Injection Advanced