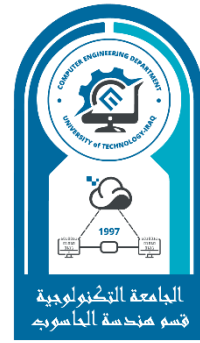




University of Technology Computer Engineering Department



Web programming LAB II

Lec (4)-Discussion

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Stage: المرحلة الرابعة

Branch: معلومات – صباحي

Discussion:

1- What is a regular expression and how is it used in PHP?

The Regular Expression in PHP:

A regular expression is a pattern-matching tool in PHP for string manipulation.

Used for tasks like validation, searching, and text manipulation.

2- What are some of the most commonly used regular expression functions in PHP, and what do they do?

Commonly Used Functions:

`preg_match(pattern, subject, matches)`: Finds the first match in a string.

`preg_match_all(pattern, subject, matches)`: Finds all matches in a string.

`preg_replace(pattern, replacement, subject)`: Replaces matches with a specified string.

`preg_split(pattern, subject)`: Splits a string into an array using a pattern as the delimiter.

3- What is the difference between the `preg_match()` and `preg_match_all()` functions?

Difference between `preg_match()` and `preg_match_all()`:

`preg_match()` returns true on the first match and stops searching.

`preg_match_all()` finds all matches in the string and continues searching.

Both use the `matches` parameter to store match results.

4- How do you use regular expressions to search and replace text in PHP?
Give a code examples.

\$pattern = '/[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}/';

\$replacement = 'REDACTED';

\$redacted_string = preg_replace(\$pattern, \$replacement, \$input_string);
