

Course 4 Back-End Development with PHP:

Chapter 3: Introduction to PHP with MySQL:

True / False:

Q1- PHP can directly interact with MySQL databases using extensions like mysqli and PDO.

Q2- The mysqli_connect() function is used to establish a connection to a MySQL database.

Q3- Only the POST method can be used to send data to a MySQL database.

Q4- Data retrieved from a MySQL database can be displayed using PHP.

Q5- SQL injection is a risk when directly embedding user input into SQL queries.

Q6- The mysqli_query() function is used to execute SQL statements in PHP.

Q7- PHP requires a separate installation to work with MySQL.

Q8- The mysqli_fetch_assoc() method returns the result row as an associative array.

Q9- Prepared statements help prevent SQL injection attacks.

Q10- A single PHP script can connect to multiple MySQL databases simultaneously.

Multiple-Choice Questions:

Q11- Which PHP function is used to connect to a MySQL database?

- A) `mysql_connect()`
- B) `mysqli_connect()`
- C) `pdo_connect()`
- D) `db_connect()`

Q12- What does the `mysqli_query()` function do?

- A) Connects to a database
- B) Executes an SQL query
- C) Fetches data from a database
- D) Closes the database connection

Q13- Which MySQL query is used to retrieve data from a table?

- A) `SELECT`
- B) `INSERT`
- C) `UPDATE`
- D) `DELETE`

Q14- What does `mysqli_fetch_assoc()` return?

- A) An associative array
- B) A numeric array
- C) A JSON object
- D) A scalar value

Q15- Which of the following is a valid SQL clause?

- A) WHERE
- B) GROUP BY
- C) ORDER BY
- D) All of the above

Q16- What is the purpose of prepared statements in PHP?

- A) To execute complex SQL queries
- B) To optimize database performance
- C) To prevent SQL injection attacks
- D) To fetch large datasets

Q17- Which MySQL function in PHP is used to close a database connection?

- A) mysqli_disconnect()
- B) mysqli_close()
- C) mysql_terminate()
- D) db_close()

Q18- Which PHP superglobal is used to access form data sent using the GET method?

- A) \$_POST
- B) \$_REQUEST
- C) \$_GET
- D) \$_FORM

Q19- What is the default port for MySQL connections?

- A) 3306
- B) 8080
- C) 5432
- D) 1521

Q20- Which function is used to escape special characters in a string for use in SQL statements?

- A) `mysqli_escape()`
- B) `mysqli_real_escape_string()`
- C) `escape_string()`
- D) `sanitize()`