

SES'S L.S.RAHEJA COLLEGE OF ARTS AND COMMERCE

Course: Web Programming

Unit: V

Prepared by: Ms. Prajakta Joshi

MySQL:

- MySQL is a database system used on the web
- MySQL is a database system that runs on a server
- MySQL is ideal for both small and large applications
- MySQL is very fast, reliable, and easy to use
- MySQL uses standard SQL
- MySQL compiles on a number of platforms
- MySQL is free to download and use
- MySQL is developed, distributed, and supported by Oracle Corporation

MySQL Functions:**Create a MySQL Database Using MySQLi and PDO**

The CREATE DATABASE statement is used to create a database in MySQL.

The following examples create a database named "myDB":

Example:

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";

// Create connection
$conn = new mysqli($servername, $username, $password);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Create database
$sql = "CREATE DATABASE myDB";
if ($conn->query($sql) === TRUE) {
    echo "Database created successfully";
} else {
    echo "Error creating database: " . $conn->error;
```

```
}
```

```
$conn->close();
```

```
?>
```

MySQL Functions:

Sr.No	Function & Description
1	<p>mysqli affected rows</p> <p>It returns the number of affected rows in the previous SELECT, INSERT, UPDATE, REPLACE, or DELETE query.</p>
2	<p>mysqli client encoding</p> <p>It is used to turn off or turn of auto-committing database modifications.</p>
3	<p>mysqli close</p> <p>It is used to close MySQLi connection</p>
4	<p>mysqli connect</p> <p>It opens a connection to a MySQLi Server</p>
5	<p>mysqli create db</p> <p>It is used to create MySQLi connection</p>
6	<p>mysqli change user</p> <p>It is used to set the current database connection insted of specified data base connection.</p>
7	<p>mysqli character set name</p> <p>It is returns default character set for the database connection</p>
8	<p>mysqli error list</p> <p>It returns a list of errors from the last connection</p>

PHP MySQL Form:

Insert Data Into MySQL Using MySQLi and PDO

After a database and a table have been created, we can start adding data in them.

Here are some syntax rules to follow:

- The SQL query must be quoted in PHP
- String values inside the SQL query must be quoted
- Numeric values must not be quoted
- The word NULL must not be quoted

Example:

```
$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('John', 'Doe', 'john@example.com')";
```

```
if ($conn->query($sql) === TRUE) {
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}
```

```
<html>
<body>
```

```
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>
```

```
</body>
</html>
```

cookies:

A cookie is often used to identify a user. A cookie is a small file that the server embeds on the user's computer. Each time the same computer requests a page with a browser, it will send the cookie too. With PHP, you can both create and retrieve cookie values.

Session:

When you work with an application, you open it, do some changes, and then you close it. This is much like a Session. The computer knows who you are. It knows when you start the application and when you end. But on the internet there is one problem: the web server does not know who you are or what you do, because the HTTP address doesn't maintain state.

NOTE: THESE POINTS ARE INDICATIVE AND NOT EXHAUSTIVE. PLEASE ELLABORATE THE ANSWERS WITH PROPER EXAMPLES WHEREVER APPLICABLE.

Write answers for following

- 1 Write a note on MySQL.
- 2 Write MySQL code to create connections.
- 3 Write MySQL code to create table.
- 4 Write MySQL code to insert values in table.
- 5 Explain cookies with example.
- 6 Explain following functions with example.
 - i. mysqli affected rows
 - ii. mysqli connect
 - iii. mysqli close
 - iv. Comparison
 - v. Assignment
 - vi. Conditional