| **PHP-MySQL** | |
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| **1.** | **Create Database** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "root"; 4. $password = ""; 5. // Create connection 6. $conn = mysqli\_connect($servername, $username, $password); 7. // Check connection 8. if (!$conn) { 9. die("Connection failed: " . mysqli\_connect\_error()); 10. } 11. // Create database 12. $sql = "CREATE DATABASE myDB"; 13. if (mysqli\_query($conn, $sql)) { 14. echo "Database created successfully"; 15. } else { 16. echo "Error creating database: " . mysqli\_error($conn); 17. } 18. mysqli\_close($conn); 19. ?> |
| **2.** | **Create Table** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = mysqli\_connect($servername, $username, $password, $dbname); 8. // Check connection 9. if (!$conn) { 10. die("Connection failed: " . mysqli\_connect\_error()); 11. } 12. **// sql to create table** 13. **$sql = "CREATE TABLE MyGuests (** 14. **id INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,** 15. **firstname VARCHAR(30) NOT NULL,** 16. **lastname VARCHAR(30) NOT NULL,** 17. **email VARCHAR(50)** 18. **)";** 19. if (mysqli\_query($conn, $sql)) { 20. echo "Table MyGuests created successfully"; 21. } else { 22. echo "Error creating table: " . mysqli\_error($conn); 23. } 24. mysqli\_close($conn); 25. ?> |
| **3.** | **Insert Query** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = mysqli\_connect($servername, $username, $password, $dbname); 8. // Check connection 9. if (!$conn) { 10. die("Connection failed: " . mysqli\_connect\_error()); 11. } 12. **$sql = "INSERT INTO MyGuests (id, firstname, lastname, email)** 13. **VALUES (1,'John', 'Doe', 'john@example.com')";** 14. if (mysqli\_query($conn, $sql)) { 15. echo "New record created successfully"; 16. } else { 17. echo "Error: " . $sql . "<br>" . mysqli\_error($conn); 18. } 19. mysqli\_close($conn); 20. ?> |
| **4.** | **Multiple Insert** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = mysqli\_connect($servername, $username, $password, $dbname); 8. // Check connection 9. if (!$conn) { 10. die("Connection failed: " . mysqli\_connect\_error()); 11. } 12. **$sql = "INSERT INTO MyGuests (id, firstname, lastname, email)** 13. **VALUES (2, 'John', 'Doe', 'john@example.com');";** 14. **$sql .= "INSERT INTO MyGuests (id, firstname, lastname, email)** 15. **VALUES (3, 'Mary', 'Moe', 'mary@example.com');";** 16. **$sql .= "INSERT INTO MyGuests (id, firstname, lastname, email)** 17. **VALUES (4, 'Julie', 'Dooley', 'julie@example.com')";** 18. if (mysqli\_multi\_query($conn, $sql)) { 19. echo "New records created successfully"; 20. } else { 21. echo "Error: " . $sql . "<br>" . mysqli\_error($conn); 22. } 23. mysqli\_close($conn); 24. ?> |
| **5.** | **SELECT Statement** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = new mysqli($servername, $username, $password, $dbname); 8. // Check connection 9. if ($conn->connect\_error) { 10. die("Connection failed: " . $conn->connect\_error); 11. } 12. $sql = "SELECT id, firstname, lastname FROM MyGuests"; 13. $result = $conn->query($sql); 14. if ($result->num\_rows > 0) { 15. // output data of each row 16. while($row = $result->fetch\_assoc()) { 17. echo "id: " . $row["id"]. " - Name: " . $row["firstname"]. " " . $row["lastname"]. "<br>"; 18. } 19. } else { 20. echo "0 results"; 21. } 22. $conn->close(); 23. ?> |
| **6.** | **SELECT with WHERE Clause** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = mysqli\_connect($servername, $username, $password, $dbname); 8. // Check connection 9. if (!$conn) { 10. die("Connection failed: " . mysqli\_connect\_error()); 11. } 12. **$sql = "SELECT id, firstname, lastname FROM MyGuests WHERE lastname='Doe'";** 13. **$result = mysqli\_query($conn, $sql);** 14. **if (mysqli\_num\_rows($result) > 0) {** 15. **// output data of each row** 16. **while($row = mysqli\_fetch\_assoc($result)) {** 17. **echo "id: " . $row["id"]. " - Name: " . $row["firstname"]. " " . $row["lastname"]. "<br>";** 18. **}** 19. **} else {** 20. **echo "0 results";** 21. **}** 22. mysqli\_close($conn); 23. ?> |
| **7.** | **Delete row** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = mysqli\_connect($servername, $username, $password, $dbname); 8. // Check connection 9. if (!$conn) { 10. die("Connection failed: " . mysqli\_connect\_error()); 11. } 12. // sql to delete a record 13. **$sql = "DELETE FROM MyGuests WHERE id=3";** 14. if (mysqli\_query($conn, $sql)) { 15. echo "Record deleted successfully"; 16. } else { 17. echo "Error deleting record: " . mysqli\_error($conn); 18. } 19. mysqli\_close($conn); 20. ?> |
| **8.** | **Update Query** |
|  | 1. <?php 2. $servername = "localhost"; 3. $username = "username"; 4. $password = "password"; 5. $dbname = "myDB"; 6. // Create connection 7. $conn = mysqli\_connect($servername, $username, $password, $dbname); 8. // Check connection 9. if (!$conn) { 10. die("Connection failed: " . mysqli\_connect\_error()); 11. } 12. **$sql = "UPDATE MyGuests SET lastname='Doe' WHERE id=2";** 13. if (mysqli\_query($conn, $sql)) { 14. echo "Record updated successfully"; 15. } else { 16. echo "Error updating record: " . mysqli\_error($conn); 17. } 18. mysqli\_close($conn); 19. ?> |
| **9.** | **Form-Database Connectivity** |
|  | Steps :   1. Create Database named **College**. 2. Create Table named **Registration**. 3. Columns in the Table are **sr\_no, first\_name, last\_name, gender, address, email.** |
|  | **form.php** |
|  | 1. <!DOCTYPE html> 2. <html lang="en"> 4. <head> 5. <title>Registration</title> 6. </head> 8. <body> 9. <center> 10. <h1>Storing Form data in Database</h1> 12. **<form action="insert.php" method="post">** 13. <p> 14. <label for="srno">Sr No:</label> 15. <input type="text" name="sr\_no" id="srno"> 16. </p>      1. <p> 2. <label for="firstName">First Name:</label> 3. <input type="text" **name="first\_name"** id="firstName"> 4. </p>      1. <p> 2. <label for="lastName">Last Name:</label> 3. <input type="text" **name="last\_name"** id="lastName"> 4. </p>      1. <p> 2. <label for="Gender">Gender:</label> 3. <input type="text" **name="gender**" id="Gender"> 4. </p>      1. <p> 2. <label for="Address">Address:</label> 3. <input type="text" **name="address"** id="Address"> 4. </p>  7. <p> 8. <label for="emailAddress">Email Address:</label> 9. <input type="text" **name="email"** id="emailAddress"> 10. </p>      1. <input type="submit" value="Submit"> 2. </form> 3. </center> 4. </body> 6. </html> |
|  | **insert.php** |
|  | 1. <!DOCTYPE html> 2. <html> 4. <head> 5. <title>Insert Page </title> 6. </head> 8. <body> 9. <center> 10. <?php 12. // servername => localhost 13. // username => root 14. // password => 15. // database name => staff 16. $conn = mysqli\_connect("localhost", "root", "", "example2"); 18. // Check connection 19. if($conn === false){ 20. die("ERROR: Could not connect. ". mysqli\_connect\_error()); 21. } 23. **// Taking all 6 values from the form data(input)** 24. **$sr\_no = $\_REQUEST['sr\_no'];** 25. **$first\_name = $\_REQUEST['first\_name'];** 26. **$last\_name = $\_REQUEST['last\_name'];** 27. **$gender = $\_REQUEST['gender'];** 28. **$address = $\_REQUEST['address'];** 29. **$email = $\_REQUEST['email'];** 31. **// Performing insert query execution** 32. **// here our table name is college** 33. **$sql = "INSERT INTO college VALUES('$sr\_no','$first\_name','$last\_name','$gender','$address','$email')";** 35. if(mysqli\_query($conn, $sql)){ 36. **echo "data stored in a database successfully.";** 38. **echo nl2br("\n$sr\_no\n $first\_name\n $last\_name\n "** 39. **. "$gender\n $address\n $email");** 40. } else{ 41. echo "ERROR". mysqli\_error($conn); 42. } 44. // Close connection 45. mysqli\_close($conn); 46. ?> 47. </center> 48. </body> 50. </html> |