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Semester: 5

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**03 Database Connectivity in PHP**

**Objective: Write php program to fetch and display queries from a database**.

**SQL**

MariaDB [(none)]> use my\_database;

Database changed

MariaDB [my\_database]> create table students(rollno int PRIMARY KEY, name varchar(20));

Query OK, 0 rows affected (0.016 sec)

MariaDB [my\_database]> desc students;

+--------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+-------------+------+-----+---------+-------+

| rollno | int(11) | NO | PRI | NULL | |

| name | varchar(20) | YES | | NULL | |

+--------+-------------+------+-----+---------+-------+

2 rows in set (0.018 sec)

MariaDB [my\_database]> Insert into students VALUES(14, 'Deepankar');

Query OK, 1 row affected (0.013 sec)

MariaDB [my\_database]> Insert into students VALUES(24, 'Pawan');

Query OK, 1 row affected (0.012 sec)

MariaDB [my\_database]> Insert into students VALUES(23, 'Subham');

Query OK, 1 row affected (0.012 sec)

MariaDB [my\_database]> Insert into students VALUES(23, 'Subham');

ERROR 1062 (23000): Duplicate entry '23' for key 'PRIMARY'

MariaDB [my\_database]> select \* from students;

+--------+-----------+

| rollno | name |

+--------+-----------+

| 14 | Deepankar |

| 23 | Subham |

| 24 | Pawan |

+--------+-----------+

3 rows in set (0.001 sec)

MariaDB [my\_database]>

**PHP**

<?php

$server\_name="localhost";

$username="root";

$password="";

$database\_name="my\_database";

$conn=mysqli\_connect($server\_name,$username,$password,$database\_name);

// Check connection

if (mysqli\_connect\_error()) {

echo "Connection establishing failed!";

} else {

echo "Connection established successfully.";

}

$query = "Select \* from students;";

$res= mysqli\_query($conn, $query);

echo "<table border='1'>

<tr>

<th>Roll No</th>

<th>Name</th>

</tr>";

while($row= mysqli\_fetch\_array($res, MYSQLI\_ASSOC)){

echo "<tr>

<td>$row[rollno]</td>

<td>$row[name]</td>

</tr>";

}

echo "</table>";

?>

**Output**

Connection established successfully.

|  |  |
| --- | --- |
| **Roll No** | **Name** |
| 14 | Deepankar |
| 23 | Subham |
| 24 | Pawan |