

Nama : M Singgi Aditya Ramadhan

Nim : 220605110068

Dosen Pengampuh : Agung Teguh Wibowo Almais S.kom,M.T.

Kelas : Pemrograman Web F

Tugas 3: INSERT DATA




Soal :

Buatlah form dan single insert dengan menggunakan database yang berelasi minimal ada 2 relasi tabel (ERD).


Jawab :

A. Membuat Database pada Heidi

a. Database kuliah

Name ^	Rows	Size	Created	Updated	Engine	Comment	Type
 dosen	3	16,0 KiB	2024-04-23 19:36:...		InnoDB		Table
 matkul	2	16,0 KiB	2024-04-23 20:16:...		InnoDB		Table
 ruang	3	16,0 KiB	2024-04-23 19:53:...		InnoDB		Table

b. Table dosen

Columns: + Add ✕ Remove ▲ Up ▼ Down								
#	Name	Datatype	Length/Set	Unsigned	Allow N...	Zerofill	Default	Com
 1	id	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT	
2	nama_dosen	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default	
3	alamat	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default	
4	no_telepon	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default	

kuliah.dosen: 3 rows total (approximately)

id		nama_dosen	alamat	no_telepon
1		Singgi	Malang	0896574311269
2		Aditya	Pasuruan	0826465977563
3		Ramadhan	Blitar	0855412396548

c. Table ruang

Columns: + Add ✕ Remove ▲ Up ▼ Down								
#	Name	Datatype	Length/Set	Unsigned	Allow N...	Zerofill	Default	
1	id	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREME...	
2	gedung	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default	
3	no_ruang	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default	

id	gedung	no_ruang
1	B	102
2	D	121
3	B	208

d. Table matkul

+ Add	Key name	Columns	Reference table	Foreign col...
✕ Remove	FK_matkul_dosen	id_dosen	kuliah.dosen	id
✕ Clear	FK_matkul_ruang	id_ruang	kuliah.ruang	id

Columns: + Add ✕ Remove ▲ Up ▼ Down											
#	Name	Datatype	Length/Set	Unsigned	Allow N...	Zerofill	Default	Comment	Collation	Expression	Virtuality
1	id	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREME...				
2	mata_kuliah	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		utf8mb4_general_ci		
3	id_dosen	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0				
4	id_ruang	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0				

B. Membuat File koneksi.php

```
<?php
$host = "localhost";
$username = "root";
$password = "";
$database = "kuliah";
$koneksi = mysqli_connect($host, $username, $password, $database);
if($koneksi){
    echo "";
}else{
    echo "Server Not Connected";
}
```

C. Membuat File matkul_form.php

```

<?php
include ("koneksi.php");
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Insert Matkul</title>
</head>

<body>
    <form action="insert_matkul.php" method="post">
        <table>
            <tr>
                <td><label for="matkul">Mata Kuliah</label></td>
                <td><input type="text" name="matkul" id="matkul"></td>
            </tr>
            <tr>
                <td><label for="dosen">Dosen</label></td>
                <td>
                    <select name="dosen" id="dosen">
                        <?php
                            $a = "SELECT * FROM dosen";
                            $b = $koneksi->query($a);
                            while ($c = $b->fetch_array()) {
                                echo '<option value="'. $c['id'] .'">'. $c['nama_dosen'] . '</option>';
                            }
                        ?>
                    </select>
                </td>
            </tr>
            <tr>
                <td><label for="ruang">Ruang</label></td>
                <td>
                    <select name="ruang" id="ruang">
                        <?php
                            $a = "SELECT * FROM ruang";
                            $b = $koneksi->query($a);
                            while ($c = $b->fetch_array()) {
                                echo "<option value='". $c['id'] ."'>Gedung ". $c['gedung'] . " Ruang ". $c['no_ruang'] . "</option>";
                            }
                        ?>
                    </select>
                </td>
            </tr>
            <tr>
                <td><button type="submit">Tambah</button></td>
                <td><button type="reset">Reset</button></td>
            </tr>
        </table>
    </form>
</body>
</html>

```

D. Membuat File aksi_insert.php

```
Click to add a breakpoint
1 include koneksi.php;
2
3 $matkul = $_POST['matkul'];
4 $id_dosen = $_POST['dosen'];
5 $id_ruang = $_POST['ruang'];
6 $sql = "INSERT INTO matkul (mata_kuliah, id_dosen, id_ruang) VALUES ('.$matkul.', '.$id_dosen.', '.$id_ruang.')";
7 $a=$koneksi->query($sql);
8 if ($a == true) {
9     header('location:matkul_form.php');
10 }else{
11     echo "error";
12 }
13
```

E. Input data pada Form

Mata Kuliah

Pemrograman Web

Dosen

Singgi

Ruang

Gedung D Ruang 121

Tambah

Reset

Mata Kuliah

Pemrograman Web

Dosen

Ramadhan

Ruang

Singgi

Aditya

Ramadhan

Tambah

Setelah di klik button “SAVE” data akan dikirim ke database pada table matkul

id	mata_kuliah	id_dosen	id_ruang
2	basis data	1	1
5	Algoritma Pemrograman	2	2
6	Pemrograman Web	3	2