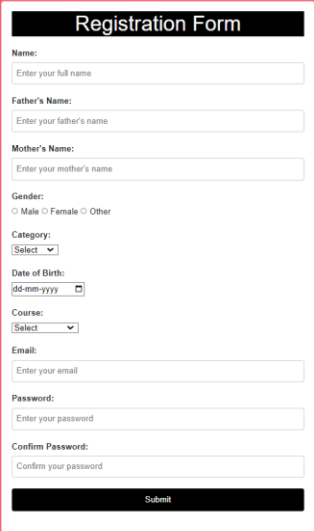


Insert Data in laravel using Model and Migration

STEP 1: Create a registration form



Registration Form

Name:

Father's Name:

Mother's Name:

Gender:
☐ Male ☐ Female ☐ Other

Category:

Date of Birth:

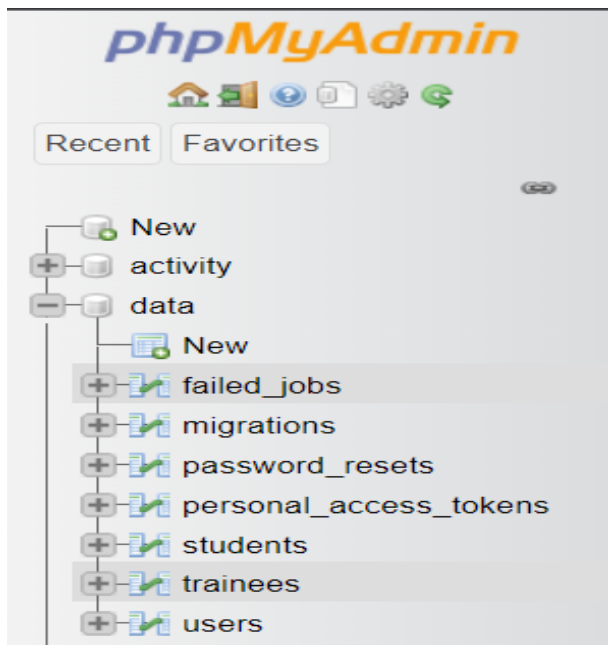
Course:

Email:

Password:

Confirm Password:

STEP 2: Create a database on PHP MyAdmin



STEP 3: Create a model and migration

Command:

php artisan make:model Model_Name --migration

```
PS C:\xampp\htdocs\activity> php artisan make:model Trainee --migration
Model created successfully.
Created Migration: 2023_05_31_103608_create_trainees_table
```

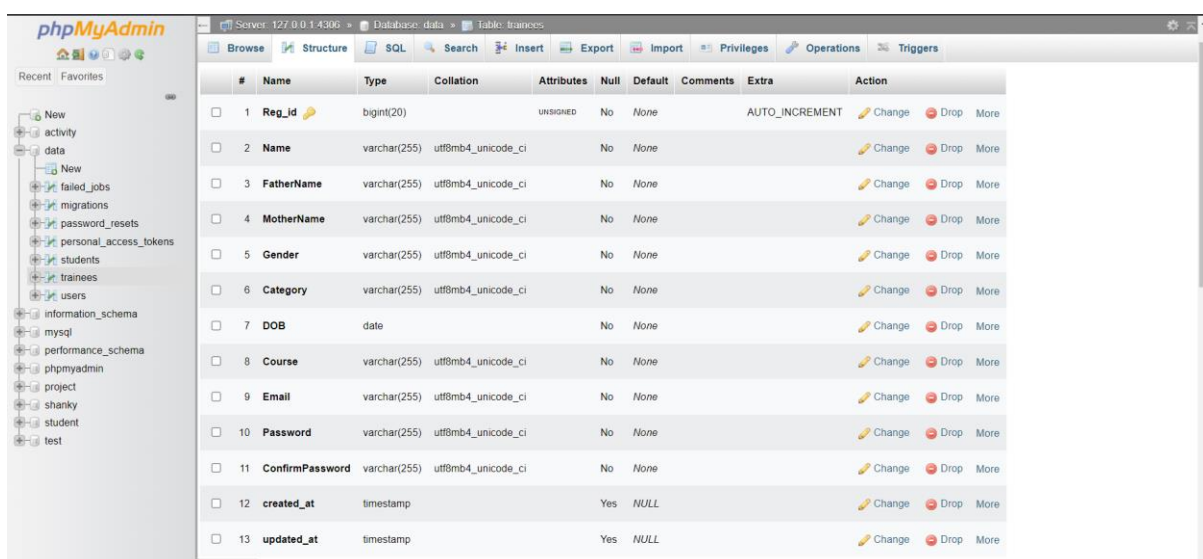
STEP 4: Add field to the created table(migration)



```
12
13
14 public function up()
15 {
16     Schema::create('trainees', function (Blueprint $table) {
17         $table->id('Reg_id');
18         $table->string('Name');
19         $table->string('FatherName');
20         $table->string('MotherName');
21         $table->string('Gender');
22         $table->string('Category');
23         $table->date('DOB');
24         $table->string('Course');
25         $table->string('Email');
26         $table->string('Password');
27         $table->string('ConfirmPassword');
28         $table->timestamps();
29     });
30 }
31
32 /**
33  * Reverse the migrations.
34  *
35  * @return void
36  */
37 public function down()
38 {
39     Schema::dropIfExists('trainees');
40 }
```

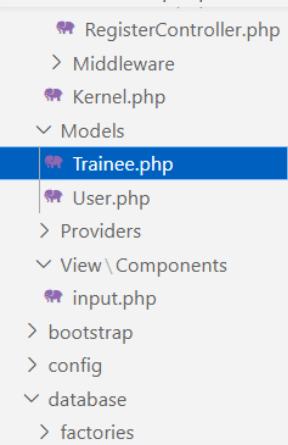
STEP 5: Run command **php artisan migrate** to created table successfully

STEP 6: go to PHP MyAdmin see the table created successfully



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Reg_id	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	Name	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
3	FatherName	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
4	MotherName	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
5	Gender	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
6	Category	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
7	DOB	date			No	None			Change Drop More
8	Course	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
9	Email	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
10	Password	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
11	ConfirmPassword	varchar(255)	utf8mb4_unicode_ci		No	None			Change Drop More
12	created_at	timestamp			Yes	NULL			Change Drop More
13	updated_at	timestamp			Yes	NULL			Change Drop More

STEP 7: go to Models folder then open model(Trainee.php). then define table name and primary Key

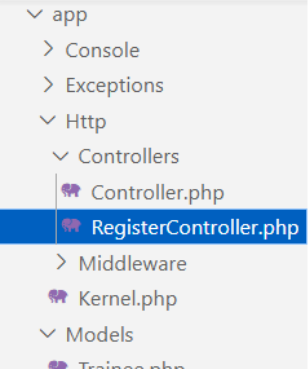


```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Trainee extends Model
9 {
10     use HasFactory;
11     protected $table="trainees";
12     protected $primaryKey="Reg_id";
13 }
14
```

STEP 8: Now we need to include Model or we can say we use the model in controller file.

Command

App\Models\Trainee;



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use App\Models\Trainee;
7
8 class RegisterController extends Controller
9 {
10     public function index(){
11         return view('form');
12     }
13 }
```

STEP 9: then create an object of the class(Trainee) after that access the table field through array operator :

Create a variable then access the class

```
$trainee= new Trainee;
```

Then access the field through object

```
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
}
```

```
print_r($request->all());  
echo "</pre>";  
  
//create an object of the Trainee class  
$trainee= new Trainee;  
$trainee->Name=$request['name'];  
$trainee->FatherName=$request['fname'];  
$trainee->MotherName=$request['mname'];  
$trainee->Gender=$request['gender'];  
$trainee->Category=$request['category'];  
$trainee->DOB=$request['dob'];  
$trainee->Course=$request['course'];  
$trainee->Email=$request['email'];  
$trainee->Password=md5($request['pass']);  
$trainee->ConfirmPassword=md5($request['pass1']);  
$trainee->save();  
}
```

STEP 10: Now open the registration form and fill the details then submit it

Registration Form

Name:

Father's Name:

Mother's Name:

Gender:
☐ Male ☒ Female ☐ Other

Category:

Date of Birth:

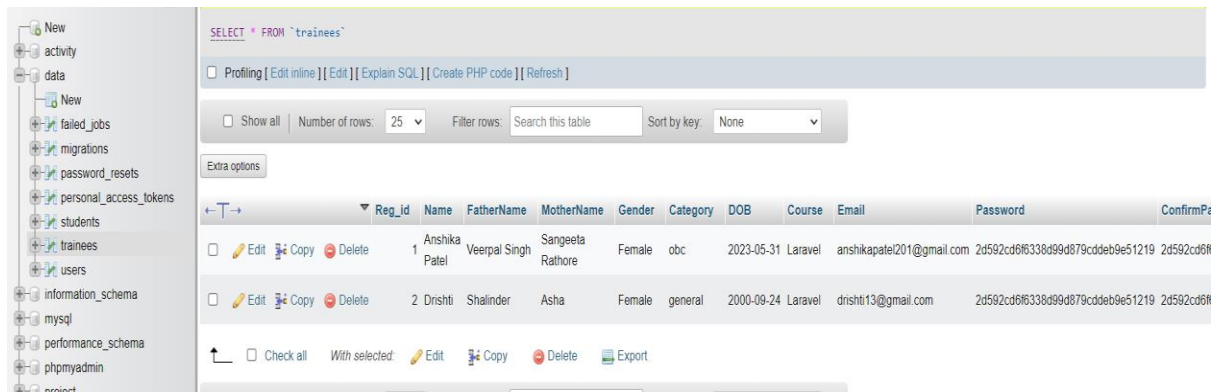
Course:

Email:

Password:

Confirm Password:

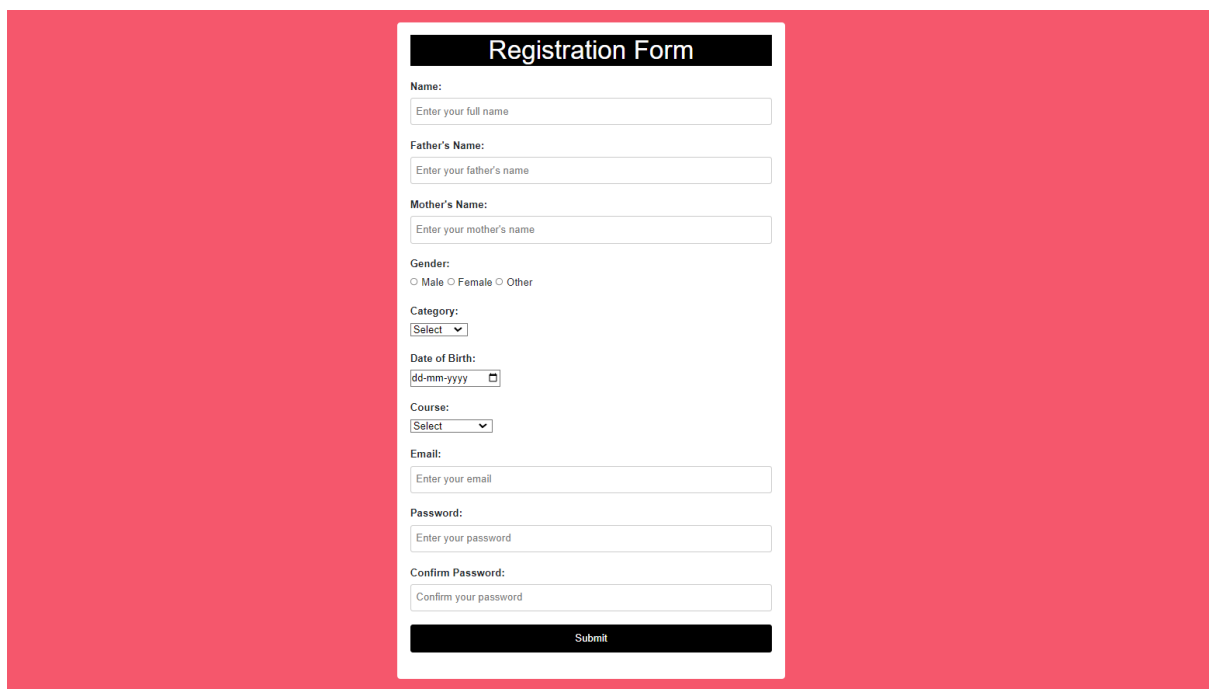
STEP 11: Go to PHP My Admin then click on browse to see the details are submitted.



Reg_Id	Name	FatherName	MotherName	Gender	Category	DOB	Course	Email	Password	ConfirmPa
1	Anshika Patel	Veerpal Singh	Sangeeta Rathore	Female	obc	2023-05-31	Laravel	anshikapatel201@gmail.com	2d592cd6f6338d99d879cddb9e51219	2d592cd6f6338d99d879cddb9e51219
2	Drishti Shalinder	Asha		Female	general	2000-09-24	Laravel	drishti13@gmail.com	2d592cd6f6338d99d879cddb9e51219	2d592cd6f6338d99d879cddb9e51219

Select Query in Laravel

STEP 1: Create a Registration Form



Registration Form

Name:

Father's Name:

Mother's Name:

Gender:
☐ Male ☐ Female ☐ Other

Category:

Date of Birth:

Course:

Email:

Password:

Confirm Password:

STEP 2: Create a new file(view.blade.php) then create a table on this page

```
<!DOCTYPE html>
```

```

<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Registration Form</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-GLhlTQ8iRABdZLL1603oVMWSktQOp6b7In1Zl3/Jr59b6EGGoI1aFkw7cmDA6j6gD"
crossorigin="anonymous">
  <style>
    body{
      font-size:20px;
      background-color:#000;
    }
    .rr{
      color:#fff;
      font-size:50px;
      text-align:center;    }
  </style>
</head>
<body>
  <p class="rr">Registered User</p>
  <div class="container">
    <table class="table">

      <thead class="table-danger">
        <th>Name</th>
        <th>FatherName</th>
        <th>MotherName</th>
        <th>Gender</th>
        <th>Category</th>
        <th>DOB</th>
        <th>Course</th>
        <th>Email</th>

      </thead>
      <tbody>
        @foreach($trainee as $trainees)
          <tr class="table-info">
            <td>{{$trainees->Name}}</td>
            <td>{{$trainees->FatherName}}</td>
            <td>{{$trainees->MotherName}}</td>
            <td>{{$trainees->Gender}}</td>
            <td>{{$trainees->Category}}</td>
            <td>{{$trainees->DOB}}</td>
            <td>{{$trainees->Course}}</td>
            <td class="table-warning">{{$trainees->Email}}</td>

```

```

                </tr>
            @endforeach
        </tbody>
    </table>
</div>
</body>
</html>

```

STEP 3: then go to web.php and define route for this file

Command:

```
Route::get('/trainee/view',[RegisterController::class,'view']);
```

STEP 4: Now Open Controller then create function



STEP 5: Now Submit the details in the form then see the result

Registration Form

Name:

Megha Patel

Father's Name:

Ajay Pal Singh

Mother's Name:

Seema Gangwar

Gender:

☐ Male ☒ Female ☐ Other

Category:

OBC

Date of Birth:

15-02-1998

Course:

PHP

Email:

meghapatel201@gmail.com

Password:

.....

Confirm Password:

.....

Submit

Registered User

Name	FatherName	MotherName	Gender	Category	DOB	Course	Email
Anshika Patel	Veerpal Singh	Sangeeta Rathore	Female	obc	2023-05-31	Laravel	anshikapatel201@gmail.com
Drishti	Shalinder	Asha	Female	general	2000-09-24	Laravel	drishti13@gmail.com
Shanky Patel	Veerpal Singh	Sangeeta Rathore	Male	obc	2000-03-15	HTML & CSS	shanky.patel.9756164615@gmail.com
Shanky Patel	Veerpal Singh	Sangeeta Rathore	Male	obc	2000-03-15	HTML & CSS	shanky.patel.9756164615@gmail.com
Shanky Patel	Veerpal Singh	Sangeeta Rathore	Male	obc	2000-03-15	HTML & CSS	shanky.patel.9756164615@gmail.com
Daksh Patel	Veerpal Singh	Sangeeta Rathore	Male	obc	2012-02-13	HTML & CSS	daksh123@gmail.com
kumkum	fname	mname	Female	OBC	2000-10-08	Python	kumkum223@gmail.com
Megha Patel	Ajay Pal Singh	Seema Gangwar	Female	OBC	1996-02-15	PHP	meghapatel201@gmail.com