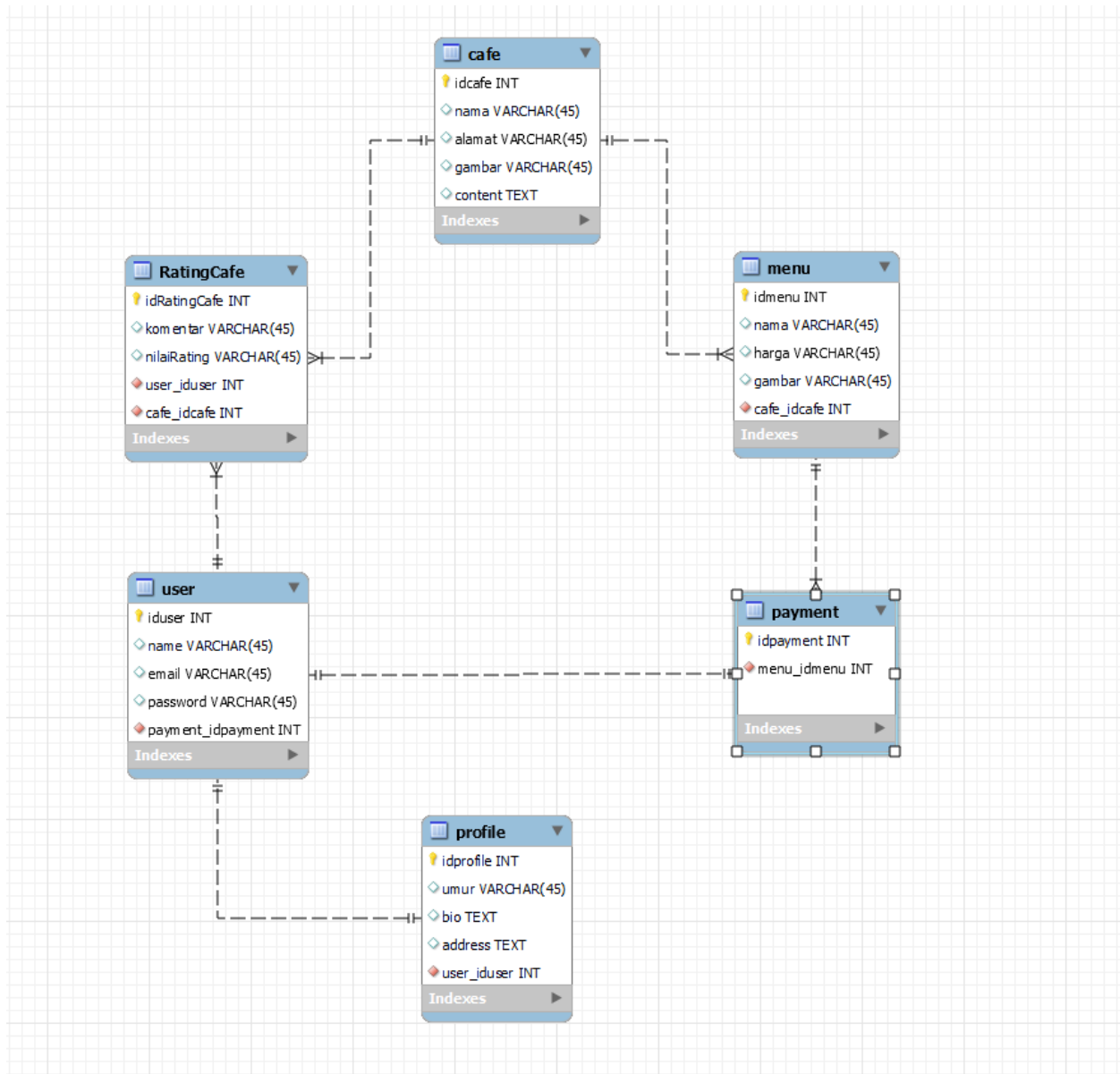# TUGAS #i - Convert Class Diagram ke Code

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## Class Diagram

**User Table**

```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('users', function (Blueprint $table) {
            $table->id();
            $table->string('name');
            $table->string('email')->unique();
            $table->timestamp('email_verified_at')->nullable();
            $table->string('password');
            $table->rememberToken();
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('users');
    }
};
```

**Cafe Table**

```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('cafe', function (Blueprint $table) {
            $table->id();
            $table->string('nama');
            $table->string('alamat');
            $table->string('gambar');
            $table->text('content');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('cafe');
    }
};
```

**Route CreateCafe**

```php
//CRUD CAFE
Route::resource('/cafe',CafeController::class);
```

**CafeController**

```php
<?php

namespace App\Http\Controllers;
use App\Models\cafe;

use Illuminate\Http\Request;

class CafeController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function index()
    {
        $cafe = cafe::get();
        return view('cafe.index',['cafe' => $cafe]);
    }

    /**
     * Show the form for creating a new resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function create()
    {
        return view('cafe.create');
    }

    /**
     * Store a newly created resource in storage.
     *
     * @param  \Illuminate\Http\Request  $request
     * @return \Illuminate\Http\Response
     */
```

```php
    */
    public function create()
    {
        return view('cafe.create');
    }

    /**
     * Store a newly created resource in storage.
     *
     * @param  \Illuminate\Http\Request  $request
     * @return \Illuminate\Http\Response
     */
    public function store(Request $request)
    {
        $request->validate([
            'nama' => 'required',
            'alamat' => 'required',
            'gambar' => 'required',
            'content' => 'required'
        ]);

        $filename = time().'.'.$request->gambar->extension();
        $request->gambar->move(public_path('image'),$filename);


        $cafe = new cafe;
        $cafe->nama = $request->nama;
        $cafe->alamat = $request->alamat;
        $cafe->gambar = $filename;
        $cafe->content = $request->content;


        $cafe->save();

        return redirect('/cafe');


    }
```

**Halaman Cafe.Create**

```blade
@extends('layout.master')

@section('content')
<form action="/cafe" method="POST" enctype="multipart/form-data">
    @csrf
    <div class="form-group">
      <label>Nama</label>
      <input type="text" name="nama" class="form-control">
    </div>
    @error('nama')
        <div class="alert alert-danger">{{$message}}</div>
    @enderror
    <div class="form-group">
        <label>Alamat</label>
        <input type="text" name="alamat" class="form-control">
    </div>
      @error('alamat')
          <div class="alert alert-danger">{{$message}}</div>
      @enderror
    <div class="form-group">
        <label>Gambar</label>
        <input type="file" name="gambar" class="form-control">
    </div>
      @error('gambar')
          <div class="alert alert-danger">{{$message}}</div>
      @enderror
    <div class="form-group">
        <label>Deskripsi</label>
        <input type="content" name="content" class="form-control">
    </div>
      @error('content')
          <div class="alert alert-danger">{{$message}}</div>
      @enderror
    <button type="submit" class="btn btn-primary">Submit</button>
</form>
@endsection
```

**Halaman Cafe.Index**

```
@extends('layout.master')

@section('content')
<div class="cardhome">

    <nav class="card-search">
        <form class="form-inline">
          <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
          <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
        </form>
      </nav>
    <div class="card-container">
        @forelse ($cafe as $item)
        <div class="card">
            <img src="{{asset('image/' . $item->gambar)}}" class="card-img-top" alt="...">
            <div class="card-body">
                <h5 class="card-title">{{$item->nama}}</h5>
                <p class="card-text">{{$item->alamat}}</p>
                <a href="/info" class="btn btn-primary">Go somewhere</a>
            </div>
        </div>
        @empty

    @endforelse
    </div>


</div>
@endsection
```