

Laravel Lab Manual Programs for Journal

No. Laravel Program	Definition / Description
1 Hello World App	A basic Laravel route and controller to display “Hello World” on a webpage.
2 Simple Calculator	A web app that performs addition, subtraction, multiplication, and division using Laravel routes and controllers.
3 Student Registration Form	Collects and stores student details in a database using form submission and Eloquent ORM.
4 CRUD Operation on Students Table	Demonstrates Create, Read, Update, Delete operations using Eloquent ORM and Blade templates.
5 User Authentication System	Implements login, registration, and logout using Laravel Breeze or Jetstream.
6 File Upload Example	Allows users to upload files and stores them in the storage directory.
7 Image Gallery App	Displays uploaded images with titles, and allows users to upload new images.
8 Contact Form with Email	Sends an email using Laravel’s Mail feature when the contact form is submitted.
9 Pagination Example	Demonstrates how to paginate large datasets using Eloquent and Blade pagination links.
10 Search Filter Example	Implements search functionality on a table using where queries and Blade form inputs.
11 Session Management Example	Stores and retrieves user data from Laravel sessions.
12 Middleware Example	Demonstrates how to create and use custom middleware for route access control.
13 API CRUD with JSON Response	Creates RESTful API endpoints that return JSON data for CRUD operations.
14 Ajax CRUD Example	Uses AJAX requests (without page reload) to perform CRUD operations.

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15 To-Do List App	A small task management app to add, update, and delete tasks.
16 Blog Application	A multi-user blog system with posts, categories, and comments.
17 Event and Listener Example	Shows how to trigger and handle Laravel events using listeners.
18 Notification Example	Sends notifications (email/SMS/database) using Laravel Notification system.
19 Role-Based Access Control	Demonstrates user roles (Admin, User) and permissions using middleware or Spatie package.
20 Product Catalog App	Displays products, categories, and details using Eloquent relationships.
21 Shopping Cart Example	Implements adding/removing items to a shopping cart using sessions.
22 Localization Example	Demonstrates multi-language support using Laravel's localization features.
23 Queue and Job Example	Demonstrates how to use queues for background tasks like sending emails.
24 PDF Generation Example	Generates downloadable PDF reports using packages like barryvdh/laravel-dompdf.
25 Social Login (Google/Facebook)	Implements OAuth-based login using Laravel Socialite package.

List of 5 OOP PHP Journal Programs

No. Program Title	OOP Concepts Covered
1 Program 1: Class and Object with Constructor & Destructor	Class, Object, Properties, Methods, Constructor, Destructor

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No.	Program Title	OOP Concepts Covered
2	Program 2: Inheritance and Method Overriding Example	Inheritance, Method Overriding, Access Specifiers (public, protected), Scope Resolution (::)
3	Program 3: Abstract Class and Interface Implementation	Abstract Class, Interface, Method Implementation, Final Keyword
4	Program 4: Magic Methods, Magic Constants, and Object Cloning	Magic Methods (__construct, __destruct, __clone, __toString), Magic Constants (__CLASS__, __METHOD__), Object Cloning
5	Program 5: Exception Handling and Type Hinting Example	Try-Catch Block, Custom Exception, Type Hinting, Late Static Binding