

Laravel - MCQ

Topics : [Laravel](#)

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1. What does Laravel use as its default templating engine?

- A) Twig
- B) Blade (Correct Answer)
- C) Smarty
- D) Handlebars

2. In Laravel, what is the purpose of Eloquent?

- A) View rendering
- B) Database query builder (Correct Answer)
- C) Authentication
- D) Routing

3. How do you define a route with parameters in Laravel?

- A) /route/{param}
- B) /route/{param?}
- C) /route/param
- D) /route/{param} (Correct Answer)

4. What is the purpose of the composer . json file in a Laravel project?

- A) Configuration settings
- B) Dependency management (Correct Answer)
- C) Route definitions
- D) Database migrations

5. Which Artisan command is used to create a new controller in Laravel?

- A) make:model
- B) create:controller
- C) generate:controller
- D) make:controller (Correct Answer)

6. How can you secure routes in Laravel to only allow authenticated users?

- A) Using middleware (Correct Answer)
- B) Changing the .env file
- C) Configuring the routes/web.php file

- D) Using Eloquent models

7. What is the purpose of the fillable property in an Eloquent model?

- A) Sets the table name
- B) Defines primary key
- C) Specifies columns that can be mass-assigned (Correct Answer)
- D) Determines relationships

8. Which of the following is the correct way to define a one-to-many relationship in Eloquent?

- A) hasOne
- B) belongsTo
- C) hasMany (Correct Answer)
- D) belongsToMany

9. In Laravel, what is the purpose of database migrations?

- A) Seeding the database
- B) Querying the database
- C) Managing database schema changes over time (Correct Answer)
- D) Creating database backups

10. What command is used to run Laravel's built-in development server?

- A) php artisan serve (Correct Answer)
- B) php artisan run
- C) artisan start
- D) php start

11. What is the purpose of Laravel's composer command?

- A) Manage database migrations
- B) Dependency management (Correct Answer)
- C) Artisan command creation
- D) HTTP request handling

12. How do you create a new model along with its associated migration and controller in Laravel using Artisan?

- A) php artisan make:model MyModel
- B) php artisan generate:model MyModel
- C) php artisan scaffold MyModel
- D) php artisan make:model MyModel -m -c (Correct Answer)

13. Which of the following is a valid way to define a named route in Laravel?

- A) Route::get('path', 'Controller@method')->name('myRoute'); (Correct Answer)
- B) Route::name('myRoute')->get('path', 'Controller@method');
- C) Route::get('path', 'Controller@method', 'myRoute');
- D) Route::named('myRoute')->get('path', 'Controller@method');

14. In Laravel, what is the purpose of the with method when flashing data to the session?

- A) Store data in the session permanently
- B) Attach data to the next request (Correct Answer)
- C) Share data across all views
- D) Create a global variable

15. How do you define a custom primary key in an Eloquent model in Laravel?

- A) Override the primary_key property
- B) Use the key method
- C) Set the \$primaryKey property (Correct Answer)
- D) Specify it in the database migration file

16. Which of the following is a valid way to include a view partial in Blade?

- A) @insert('partial.view')
- B) @component('partial.view')
- C) @include('partial.view') (Correct Answer)
- D) @partial('partial.view')

17. What is the purpose of Laravel's event broadcasting?

- A) Broadcasting live video streams
- B) Sending notifications to mobile devices
- C) Real-time communication between server and client (Correct Answer)
- D) Broadcasting radio signals

18. Which Artisan command is used to create a new middleware in Laravel?

- A) php artisan generate:middleware
- B) php artisan make:middleware (Correct Answer)
- C) php artisan new:middleware
- D) php artisan create:middleware

19. In Laravel, what is the purpose of the env function?

- A) Fetch the current environment
- B) Access environment variables (Correct Answer)
- C) Execute a system command
- D) Define a new environment

20. What is the purpose of the compact function in Laravel?

- A) Create a compressed file
- B) Reduce image file size
- C) Create an array by compacting variables (Correct Answer)
- D) Minimize database queries

21. What is the purpose of the artisan tinker command in Laravel?

- A) Generate a new database migration
- B) Interact with the Laravel application using a REPL (Read-Eval-Print Loop) (Correct Answer)

- C) Run all PHPUnit tests
- D) Clear the application cache

22. How can you implement method injection in a Laravel controller?

- A) Use the request function
- B) Utilize the input method
- C) Type-hint the dependencies in the controller method signature (Correct Answer)
- D) Access the data using the get method

23. What is the purpose of Laravel's task scheduling feature?

- A) Run scheduled tasks at specific intervals (Correct Answer)
- B) Manage background jobs
- C) Execute one-time tasks immediately
- D) Synchronize data between multiple databases

24. How do you define a named middleware in Laravel?

- A) `php artisan make:middleware MyMiddleware`
- B) Register the middleware in the `Kernel.php` file (Correct Answer)
- C) Use the `middleware` method in the controller
- D) Define it in the `.env` file

25. What is the purpose of the `app` function in Laravel?

- A) Retrieve an instance of the application container (Correct Answer)
- B) Define a new route
- C) Access the application configuration
- D) Create a new instance of a model

26. How can you customize the primary key column name in an Eloquent model?

- A) Use the `$primaryKey` property (Correct Answer)
- B) Override the `primary_key` method
- C) Set it in the database migration file
- D) Specify it in the `.env` file

27. In Laravel, what is the purpose of the `hasManyThrough` relationship?

- A) Define a many-to-many relationship
- B) Establish a one-to-one relationship
- C) Define a one-to-many relationship through an intermediate table
- D) Define a one-to-many relationship through another Eloquent model (Correct Answer)

28. Which of the following is a valid way to define a route parameter with a regular expression in Laravel?

- A) `{param:regex(\d+)}`
- B) `{param:numeric}`
- C) `{param}` (Correct Answer)
- D) `{param:integer}`

29. How do you retrieve the last inserted ID after saving a new Eloquent model instance?

- A) Access the `lastInsertId` property
- B) Use the `insertGetId` method
- C) Retrieve it from the `$id` property of the model instance (Correct Answer)
- D) Execute a raw SQL query

30. What is the purpose of the `php artisan optimize` command in Laravel?

- A) Optimize and compress image assets
- B) Minimize CSS and JavaScript files
- C) Optimize the application for production (Correct Answer)
- D) Run database migrations

1. What is Laravel?

- A) A JavaScript library
- B) A PHP framework (Correct Answer)
- C) A database management system
- D) An operating system

2. What is the default database connection in Laravel?

- A) SQLite
- B) MySQL
- C) PostgreSQL
- D) MySQL (Correct Answer)

3. Which command is used to create a new Laravel project?

- A) `composer create-project laravel/laravel` (Correct Answer)
- B) `laravel new project`
- C) `php artisan make:project`
- D) `artisan create laravel`

4. What is the purpose of the `artisan` command in Laravel?

- A) To generate controllers
- B) To manage dependencies
- C) To interact with the application's console (Correct Answer)
- D) To create database tables

5. In Laravel, where are the configuration files located?

- A) `/config` directory (Correct Answer)
- B) `/resources/config`
- C) `/app/config`
- D) `/configuration`

6. What is the purpose of the `routes/web.php` file in Laravel?

- A) Define routes for web middleware (Correct Answer)
- B) Configure web server settings

- C) Create web templates
- D) Define web-based Artisan commands

7. Which Eloquent method is used to retrieve all records from a table?

- A) all (Correct Answer)
- B) get
- C) find
- D) fetch

8. What is the purpose of the composer dump-autoload command?

- A) Optimize Composer packages
- B) Clear the cache
- C) Reload the Composer autoloader (Correct Answer)
- D) Update Laravel dependencies

9. How do you define a middleware in Laravel?

- A) `php artisan make:middleware MyMiddleware`
- B) Create a class in the `/app/Middleware` directory (Correct Answer)
- C) Configure it in the `.env` file
- D) Use the `middleware` method in routes

10. What is the primary role of Eloquent in Laravel?

- A) HTML templating
- B) Database query builder (Correct Answer)
- C) Asset compilation
- D) Code optimization

11. Which Eloquent relationship represents a many-to-many association?

- A) `hasMany`
- B) `belongsTo`
- C) `belongsToMany` (Correct Answer)
- D) `hasOneThrough`

12. How do you create a migration file for a new database table?

- A) `php artisan make:migration create_table_name`
- B) `php artisan migrate:make create_table_name`
- C) `php artisan make:migration create_table_name --create`
- D) `php artisan make:migration create_table_name --table` (Correct Answer)

13. What is the purpose of the with method in Eloquent?

- A) Eager loading relationships
- B) Include related models in a query (Correct Answer)
- C) Define global scope
- D) Create a new instance of a model

14. Which command is used to roll back the last database migration in Laravel?

- A) `php artisan migrate:rollback`
- B) `php artisan migrate:reset`
- C) `php artisan migrate:undo`
- D) `php artisan migrate:rollback` (Correct Answer)

15. In Laravel, what does CSRF stand for?

- A) Cross-Site Request Forgery (Correct Answer)
- B) Cross-Site Request Formatting
- C) Cryptographic Security for Requests
- D) Codeigniter Security Request Framework

16. How can you access session data in Laravel?

- A) `$this->session`
- B) `Session::get()` (Correct Answer)
- C) `$request->session()`
- D) `session()->fetch()`

17. Which Blade directive is used for including a sub-view?

- A) `@import`
- B) `@include` (Correct Answer)
- C) `@extends`
- D) `@yield`

18. What is the purpose of the `php artisan serve` command?

- A) Run unit tests
- B) Serve the application on the PHP built-in server (Correct Answer)
- C) Start a queue worker
- D) Optimize the application

19. Which of the following is a valid route parameter constraint in Laravel?

- A) `{id:numeric}`
- B) `{id:int}`
- C) `{id:integer}` (Correct Answer)
- D) `{id:alpha}`

20. In Laravel, what is the purpose of the `php artisan make:controller` command?

- A) Create a new model
- B) Generate a controller class (Correct Answer)
- C) Run a controller method
- D) Register a controller route