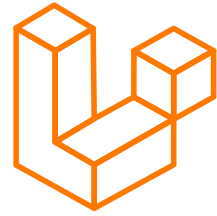# Laravel Route

Task 1 : Basic Route Definition
Create a route that returns "Hello, World!" when accessed.

- Hint: Use the Route::get() method in routes/web.php.
- Output : 'Hello, World!'

Task 2 : Route with Parameter
Create a route that accepts a name parameter and returns "Hello, {name}!".

- Output: "Hello, John!" (if the name is John).
- Hint: Use {name} in the route definition.

Task 3 : Optional Route Parameter
Create a route with an optional age parameter. If provided, display "You are {age} years old."

- Output: "You are 25 years old." or "Age not provided."
- Hint: Use {age?} and check if the parameter exists.

Task 4 : Route with Controller
Create a route that points to a controller method to return "Welcome to Laravel!".

- Output: "Welcome to Laravel!"
- Hint: Use Route::get() and link it to a controller method.

Task 5 : Named Routes
Create a named route and generate its URL using the route() helper.

- Output: URL of the named route.
- Hint: Use the name() method on the route.

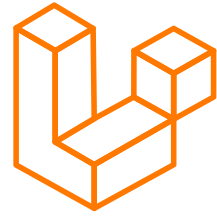## Task 6 : Route Groups
Group routes under a common prefix like /admin

- Output: Access routes like /admin/dashboard.
- Hint: Use Route::group() with prefix.

Laravel Route

Task 7 : Route with Regular Expression Constraints
Create a route that only accepts numeric IDs.

- Output: "User ID: 123" (if ID is numeric).
- Hint: Use where() to add constraints.

Task 8 : Fallback Route
Create a fallback route to handle 404 errors.

- Output: "Page not found." for undefined routes.
- Hint: Use Route::fallback().

Task 9 : Resource Routes
Create resourceful routes for a Post model (e.g., index, create, store, etc.).

- Output: Automatically generates CRUD routes.
- Hint: Use Route::resource().

Task 10 : Route with Multiple Parameters
Create a route that accepts two parameters, category and id, and returns a message like "Category: {category}, ID: {id}".

- Output: "Category: books, ID: 123" (if /books/123 is accessed).
- Hint: Define multiple parameters in the route definition.
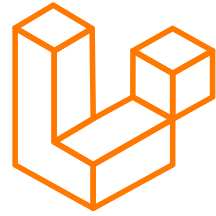
Task 11 : Route with Default Parameter
Create a route with a default parameter for page (e.g., /blog or /blog/2).

- Output: "Viewing page 1" or "Viewing page 2".
- Hint: Use a default value for the parameter.

Task 12 : Route with Redirect
Create a route that redirects /home to /welcome.

- Output: Redirects the user to /welcome.
- Hint: Use the Route::redirect() method.

Task 13 : Route with Blade View
Create a route that renders a Blade view (e.g., welcome.blade.php).

- Output: Renders the welcome view.
- Hint: Use the view() helper.