# Multiple Choice Questions PHP, Laravel, MySQL, Tailwind

## PHP Questions

1. **What does PHP stand for?**
   * A) Personal Hypertext Processor
   * B) Preprocessor Hypertext PHP
   * C) Hypertext Preprocessor
   * D) None of the above
2. **Which of the following is a valid PHP variable name?**
   * A) $1variable
   * B) $variable1
   * C) $variable-name
   * D) $variable name
3. **How do you create a function in PHP?**
   * A) function myFunction() {}
   * B) create myFunction() {}
   * C) define myFunction() {}
   * D) function: myFunction() {}
4. **Which function is used to start a session in PHP?**
   * A) session\_start();
   * B) start\_session();
   * C) session\_begin();
   * D) session\_open();
5. **How do you include a file in PHP?**
   * A) include "file.php";
   * B) import "file.php";
   * C) require "file.php";
   * D) Both A and C
6. **What is the purpose of the isset() function in PHP?**
   * A) To check if a variable is empty
   * B) To check if a variable is set and is not NULL
   * C) To initialize a variable
   * D) To unset a variable
7. **Which function is used to connect to a MySQL database in PHP?**
   * A) mysql\_connect()
   * B) mysqli\_connect()
   * C) connect\_mysql()
   * D) Both A and B
8. **What is the correct way to retrieve data from a POST request in PHP?**
   * A) $\_POST['data'];
   * B) $\_GET['data'];
   * C) $\_REQUEST['data'];
   * D) Both A and C
9. **Which of the following is the correct syntax to define a constant in PHP?**
   * A) define("CONSTANT", "value");
   * B) const CONSTANT = "value";
   * C) constant("CONSTANT", "value");
   * D) Both A and B
10. **What will the following code output? echo 5 + "10 apples";**
    * A) 15
    * B) 510
    * C) 5
    * D) Error

## MySQL Questions

1. **What is the default port number for MySQL?**
   * A) 3306
   * B) 5432
   * C) 8080
   * D) 1521
2. **Which SQL statement is used to create a new table?**
   * A) CREATE TABLE
   * B) NEW TABLE
   * C) MAKE TABLE
   * D) TABLE CREATE
3. **What does the SELECT \* FROM table\_name statement do?**
   * A) Selects all columns in a table
   * B) Selects a specific column
   * C) Deletes all rows from a table
   * D) Updates all rows in a table
4. **Which of the following is used to retrieve data from a database?**
   * A) SELECT
   * B) INSERT
   * C) UPDATE
   * D) DELETE
5. **What is the purpose of the WHERE clause in SQL?**
   * A) To filter records
   * B) To group records
   * C) To join tables
   * D) To sort records
6. **Which SQL statement is used to modify existing records in a table?**
   * A) MODIFY
   * B) UPDATE
   * C) CHANGE
   * D) ALTER
7. **What is the correct way to add a unique constraint on a column in SQL?**
   * A) UNIQUE COLUMN(column\_name)
   * B) ALTER TABLE table\_name ADD UNIQUE(column\_name);
   * C) ADD UNIQUE TO table\_name(column\_name);
   * D) CONSTRAINT UNIQUE(column\_name)
8. **Which of the following data types is used for storing dates in MySQL?**
   * A) DATE
   * B) DATETIME
   * C) TIMESTAMP
   * D) All of the above
9. **What does the JOIN clause do in SQL?**
   * A) Combines rows from two or more tables
   * B) Deletes records from a table
   * C) Updates records in a table
   * D) None of the above
10. **Which command is used to remove a table from a database?**
    * A) DROP TABLE
    * B) DELETE TABLE
    * C) REMOVE TABLE
    * D) CLEAR TABLE

## Laravel Questions

1. **What is Laravel?**
   * A) A PHP framework for web application development
   * B) A database management system
   * C) A CSS framework
   * D) A JavaScript library
2. **Which command is used to create a new Laravel project?**
   * A) php artisan new project\_name
   * B) laravel newproject project\_name
   * C) composer create-project laravel/laravel project\_name
   * D) create laravel project\_name
3. **What is the purpose of the routes/web.php file in Laravel?**
   * A) To define API routes
   * B) To manage web routes
   * C) To manage database migrations
   * D) To configure environment variables
4. **Which command is used to run database migrations in Laravel?**
   * A) php artisan migrate
   * B) php artisan db:migrate
   * C) migrate
   * D) php migrate
5. **What is Eloquent in Laravel?**
   * A) Laravel's templating engine
   * B) Laravel's ORM (Object-Relational Mapping)
   * C) A package for API development
   * D) A command-line tool
6. **How do you define a controller in Laravel?**
   * A) php artisan make:controller ControllerName
   * B) create ControllerName
   * C) php make:controller ControllerName
   * D) None of the above
7. **What does CSRF stand for in Laravel?**
   * A) Cross-Site Request Forgery
   * B) Cross-Site Resource Framework
   * C) Client-Side Request Forgery
   * D) None of the above
8. **Which method is used to return a view in a Laravel controller?**
   * A) return view();
   * B) return response();
   * C) return render();
   * D) return display();
9. **What is the purpose of middleware in Laravel?**
   * A) To handle database connections
   * B) To filter HTTP requests
   * C) To manage sessions
   * D) To define routes
10. **How do you validate a request in Laravel?**
    * A) Using the validate() method
    * B) Using the validateRequest() method
    * C) Using the request() method
    * D) Using the check() method

## Tailwind CSS Questions

1. **What is Tailwind CSS?**
   * A) A CSS framework for building websites
   * B) A JavaScript library
   * C) A PHP package
   * D) A database management tool
2. **How do you apply a utility class in Tailwind CSS?**
   * A) By adding it to the HTML element's class attribute
   * B) By using it in a CSS file
   * C) Both A and B
3. **Which class would you use to set the background color to blue in Tailwind CSS?**
   * A) bg-bleu
   * B) bg-blue-500
   * C) background-blue
   * D) blue-bg
4. **How do you create a responsive design with Tailwind CSS?**
   * A) Use media queries
   * B) Use responsive utility classes
   * C) Use Flexbox only
   * D) None of the above
5. **Which class would you use to add padding to an element?**
   * A) p-4
   * B) padding-4
   * C) pad-4
   * D) p(4)
6. **What is the purpose of the @apply directive in Tailwind CSS?**
   * A) To apply styles to a class
   * B) To create custom utility classes
   * C) To import styles
   * D) To define media queries
7. **How do you change text color using Tailwind CSS?**
   * A) text-color
   * B) text-red-500
   * C) color-red
   * D) text: red
8. **Which class is used to center an element horizontally in Tailwind CSS?**
   * A) mx-auto
   * B) center
   * C) justify-center
   * D) align-center
9. **Which Tailwind CSS class will hide an element?**
   * A) hidden
   * B) display-none
   * C) invisible
   * D) none
10. **How do you create a flex container in Tailwind CSS?**
    * A) flex
    * B) display-flex
    * C) flex-container
    * D) flexbox