

# **PHP Interview Questions**

## **1. Basic PHP Interview Questions**

- 1. What is PHP, and what are its main features?**
  - 2. How do you declare a variable in PHP?**
  - 3. What is the difference between echo and print?**
  - 4. What are the different data types in PHP?**
  - 5. What is the difference between == (equal) and === (identical)?**
  - 6. How do you define a constant in PHP?**
  - 7. What is the difference between GET and POST methods?**
  - 8. What are superglobals in PHP?**
  - 9. What is the difference between require and include?**
  - 10. How do you create a PHP session and cookie?**
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## **2. PHP Functions & Arrays**

- 11. What is a callback function in PHP?**
  - 12. How do you pass arguments by reference in PHP?**
  - 13. What is an anonymous function (closure) in PHP?**
  - 14. What is the difference between array\_merge() and array\_combine()?**
  - 15. How do you remove duplicate values from an array in PHP?**
  - 16. What is the use of the array\_map() function?**
  - 17. What is the difference between isset() and empty()?**
  - 18. How do you find the length of an array in PHP?**
  - 19. What are associative arrays in PHP?**
  - 20. What is the difference between explode() and implode()?**
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## **3. Object-Oriented PHP (OOPs)**

- 21. What is OOP (Object-Oriented Programming) in PHP?**
- 22. What is the difference between a class and an object?**
- 23. What are constructor and destructor in PHP?**
- 24. What is the purpose of inheritance in PHP?**
- 25. What is the difference between public, private, and protected?**

# PHP Interview Questions

- 26. What is method overriding in PHP?
  - 27. What are interfaces in PHP?
  - 28. What is trait in PHP, and how is it different from an interface?
  - 29. What is static method and property in PHP?
  - 30. What is the use of the final keyword in PHP?
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## 4. File Handling & Database in PHP

- 31. How do you open, read, write, and delete a file in PHP?
  - 32. What is the difference between fopen() and file\_get\_contents()?
  - 33. How do you connect to a MySQL database in PHP?
  - 34. What is PDO (PHP Data Objects)?
  - 35. What is the difference between mysqli and PDO?
  - 36. What are prepared statements, and why are they used?
  - 37. How do you fetch data from a database using PHP?
  - 38. How do you handle errors in database connections?
  - 39. How can you prevent SQL injection in PHP?
  - 40. What is the purpose of the mysqli\_real\_escape\_string() function?
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## 5. Sessions, Cookies & Security

- 41. What is the difference between session and cookie?
  - 42. How do you start a session in PHP?
  - 43. How do you destroy a session?
  - 44. How do you set and delete a cookie in PHP?
  - 45. How do you encrypt passwords in PHP?
  - 46. What is CSRF (Cross-Site Request Forgery), and how can you prevent it?
  - 47. What is XSS (Cross-Site Scripting), and how can you prevent it?
  - 48. What is hashing, and how do you hash a password in PHP?
  - 49. What are headers in PHP, and how do you send a header?
  - 50. How can you restrict direct access to a PHP file?
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# PHP Interview Questions

## 6. PHP Frameworks & APIs

- 51. What are some popular PHP frameworks?
  - 52. What is Laravel, and what are its key features?
  - 53. What is CodeIgniter, and why is it used?
  - 54. How do you create and use a RESTful API in PHP?
  - 55. What is JWT (JSON Web Token), and how is it used in PHP?
  - 56. What is the difference between SOAP and REST APIs?
  - 57. How do you make an API request using cURL in PHP?
  - 58. How do you handle API responses in JSON format?
  - 59. What is composer in PHP?
  - 60. What is middleware in Laravel?
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## 7. PHP Error Handling & Debugging

- 61. What are the different types of errors in PHP?
  - 62. What is the difference between notice, warning, and fatal error?
  - 63. How do you enable error reporting in PHP?
  - 64. What is the purpose of try-catch in PHP?
  - 65. How do you log errors in PHP?
  - 66. What is the use of die() and exit() in PHP?
  - 67. How do you create a custom exception in PHP?
  - 68. How do you debug PHP code efficiently?
  - 69. What is var\_dump() and how is it used?
  - 70. How do you suppress errors in PHP?
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## 8. PHP Performance Optimization

- 71. How can you improve PHP performance?
- 72. What is Opcode caching, and how does it work?
- 73. What is APCu (Alternative PHP Cache)?
- 74. How can you optimize database queries in PHP?
- 75. What is Lazy Loading, and how does it help in performance?

# PHP Interview Questions

- 76. What is Gzip compression, and how do you enable it in PHP?
  - 77. What is Memcached, and how is it used in PHP?
  - 78. What are autoloading classes, and how do they work?
  - 79. How do you use pagination to optimize performance?
  - 80. How can you prevent excessive memory usage in PHP?
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## 9. Miscellaneous & System-Level Questions

- 81. What is php.ini, and how do you configure it?
  - 82. What are magic methods in PHP?
  - 83. What is the difference between \_\_construct() and \_\_destruct()?
  - 84. What is namespace in PHP, and why is it useful?
  - 85. What is the spl\_autoload\_register() function?
  - 86. How does cron job work in PHP?
  - 87. What is Shell Scripting in PHP?
  - 88. How do you perform background processing in PHP?
  - 89. What is the difference between session\_unset() and session\_destroy()?
  - 90. How do you send emails using PHP?
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## 10. Advanced PHP Concepts

- 91. What is dependency injection in PHP?
- 92. What is event-driven programming in PHP?
- 93. What is asynchronous PHP, and how does it work?
- 94. What is PHP-FPM, and why is it used?
- 95. How do you handle real-time data with PHP?
- 96. What is WebSocket, and how is it implemented in PHP?
- 97. What is Doctrine ORM, and how does it work?
- 98. What are PHP Streams, and how do they work?
- 99. How do you implement OAuth authentication in PHP?
- 100. What are the latest features introduced in PHP 8?