

106 Magento interview questions to hire top developers

Questions

1. What is Magento and why do people use it?
2. Can you explain the difference between Magento 1 and Magento 2 in simple terms?
3. What are some important folders in Magento's file structure, and what do they do?
4. What are Magento modules and why are they useful?
5. How do you install a Magento module?
6. What is a Magento theme, and how does it change the look of a website?
7. How can you change the logo on a Magento website?
8. What is the difference between the frontend and backend of a Magento store?
9. What is an EAV model in Magento? (Imagine explaining it to a friend.)
10. What is a block in Magento, and what is its purpose?
11. What is a layout XML file in Magento used for?
12. How do you clear the cache in Magento, and why is it important?
13. What are some ways to speed up a Magento website?
14. How do you create a simple product in Magento?
15. What is the difference between a simple product and a configurable product?
16. What are customer groups in Magento?
17. Can you explain how Magento handles orders?
18. What is a Magento event, and how can you use it to customize functionality?
19. What are observers in Magento, and how do they work with events?
20. How do you create a custom template in Magento?
21. What is the purpose of the .htaccess file in Magento?
22. How can you debug code in Magento?
23. What are some common Magento security practices?
24. If a Magento website is running slow, what are some initial things you would check?
25. Explain the difference between a virtual, downloadable, and configurable product in Magento.
26. Describe how you would create a custom module in Magento, including the necessary files and directory structure.
27. What is an observer in Magento, and how would you use one to modify the behavior of a core Magento function?
28. Explain the purpose of the Magento event system and provide an example of when you might use it.
29. How does Magento's dependency injection system work, and why is it important?
30. Describe the different types of blocks in Magento and their roles in rendering content.
31. How would you create a custom block in Magento and display it on a specific page?
32. Explain the purpose of layout XML files in Magento and how they are used to structure a page.
33. How do you override a core Magento block, model, or helper?
34. Describe the process of creating a custom theme in Magento, including the fallback mechanism.
35. How would you customize the look and feel of a specific page in Magento using layout XML and CSS?
36. Explain the different cache types available in Magento and how they can improve performance.
37. How would you clear the Magento cache programmatically?
38. Describe how you would optimize a Magento store for performance, including database optimization, caching, and code optimization.
39. What are the different types of indexes in Magento, and how do they improve query performance?
40. How would you create a custom indexer in Magento?
41. Explain the purpose of the Magento setup scripts and how they are used to install and upgrade modules.
42. Describe the process of upgrading a Magento store to a newer version.
43. How would you debug a performance issue in Magento?
44. Explain the different modes in Magento (default, developer, production) and their purpose.
45. How do you use the Magento CLI (Command Line Interface)?
46. Describe how you would implement a custom payment gateway in Magento.
47. How would you create a custom shipping method in Magento?
48. Explain how to use Magento's API (REST or GraphQL) to integrate with external systems.
49. Describe how you would secure a Magento store against common security vulnerabilities.
50. What are the best practices for writing secure Magento code?
51. Explain the difference between an EAV (Entity Attribute Value) model and a flat table model in Magento.
52. How do you create a custom EAV attribute in Magento?
53. Describe the different types of product attributes in Magento and their purpose.
54. How would you import and export data in Magento, and what tools are available for this purpose?
55. How would you optimize a Magento 2 site for better performance, focusing on database queries?
56. Describe a situation where you would use a plugin over an override in Magento 2, and why.
57. Explain how you would implement a custom indexer in Magento 2 and why you might need one.
58. How does Magento 2's dependency injection work, and what are its benefits?
59. Describe the process of creating a custom API endpoint in Magento 2.
60. Explain the different types of events in Magento 2 and how they are dispatched.
61. How would you debug a slow-loading page in Magento 2, and what tools would you use?
62. What are the different cache types in Magento 2, and how do they affect performance?
63. Describe how you would implement a custom shipping method in Magento 2.
64. Explain how you would use Magento 2's message queue system for asynchronous tasks.
65. How would you secure a Magento 2 site against common web vulnerabilities like XSS and SQL injection?
66. Describe the process of creating a custom theme in Magento 2, including its structure and best practices.
67. Explain how you would integrate a third-party service (e.g., payment gateway) with Magento 2.
68. How does Magento 2 handle multi-store setups, and what are the considerations for managing them?
69. Describe the process of creating a custom module in Magento 2, adhering to best practices.
70. Explain how you would use Magento 2's UI components to create a custom admin grid.
71. How would you handle a large data migration to Magento 2 from a legacy system?
72. Describe the role of interceptors (**অ্যাগে** interceptors) in Magento 2 and provide a use case scenario.
73. Explain how you would implement a custom product type in Magento 2.
74. How would you customize the checkout process in Magento 2, and what are the potential challenges?
75. Describe the steps involved in upgrading a Magento 2 site to a newer version.
76. Explain the purpose and usage of the Magento 2 service contracts.
77. How do you approach writing unit and integration tests for Magento 2 modules?
78. Explain the difference between objectManager and dependency injection in Magento 2
79. Explain the nuances between different Magento modes (default, developer, production) and how they impact performance and debugging?
80. Describe a complex scenario where you would leverage Magento's event observer system to modify core functionality, and why that approach is preferred over others?
81. How would you approach optimizing a Magento store's performance beyond basic caching and indexing, focusing on database optimization and code profiling?
82. Explain the concept of dependency injection in Magento and how it contributes to maintainable and testable code?
83. Describe a situation where you had to debug a complex issue involving multiple third-party Magento extensions, and outline your debugging strategy?
84. How does Magento's service contract layer improve the scalability and maintainability of a Magento application?
85. Explain how you would implement a custom payment gateway in Magento, considering security best practices and PCI compliance?
86. Describe your experience with Magento's ORM (Object-Relational Mapping) and how you would optimize complex database queries?
87. How do you approach customizing the Magento checkout process while minimizing the risk of conflicts with future updates?
88. Explain how you would use Magento's API (REST or GraphQL) to integrate a third-party system, such as a CRM or ERP?
89. Describe your approach to writing unit and integration tests for Magento modules, and how they contribute to code quality?
90. How would you handle a scenario where a Magento store experiences a sudden surge in traffic, causing performance issues?
91. Explain how you would use Magento's logging system to diagnose and troubleshoot issues in a production environment?
92. Describe your experience with Magento's theming system and how you would create a custom theme that meets specific design requirements?
93. How would you approach migrating a large Magento store from one server to another with minimal downtime?
94. Explain how you would use Magento's cron system to schedule tasks, such as sending email notifications or updating product prices?
95. Describe your experience with Magento's security features and how you would protect a Magento store from common security vulnerabilities?
96. How would you handle a scenario where a Magento store's database becomes corrupted, and what steps would you take to recover it?
97. Explain how you would use Magento's caching system to improve the performance of a Magento store, focusing on different cache types and strategies?
98. Describe your experience with Magento's indexing system and how you would optimize it to improve search performance?
99. Explain the differences between observers, plugins, and preference rewrites in Magento, and when to use each?
100. How would you create a custom module to add a new product attribute and make it searchable in Magento?
101. Describe how you would implement a multi-store setup in Magento, with different domains, languages, and currencies?
102. How would you integrate a third-party search engine like Algolia or Elasticsearch with Magento, and why would you choose that approach?
103. Explain how you would use Magento's ACL (Access Control List) system to restrict access to specific features or areas of the Magento admin panel?
104. Describe your approach to handling complex data migrations in Magento, such as migrating data from an older Magento version or another e-commerce platform?
105. Explain how would you implement a custom shipping carrier in Magento, integrating with a third-party shipping API?