

Generated Questions

Q: What is the primary purpose of using CSS preprocessors like Sass or Less in web development?

Option A: To enhance website security

Option B: To improve website loading speed

Option C: To extend CSS functionality with variables and nesting

Option D: To replace JavaScript for dynamic effects

Answer: To extend CSS functionality with variables and nesting

Q: Which of the following HTTP status codes indicates that a requested resource has been permanently moved to a new location?

Option A: 301 Moved Permanently

Option B: 302 Found

Option C: 404 Not Found

Option D: 500 Internal Server Error

Answer: 301 Moved Permanently

Q: What is the main difference between 'var', 'let', and 'const' in JavaScript, in terms of scope and reassignment?

Option A: Only 'const' allows for block scope and is non-reassignable

Option B: Only 'var' allows for global scope and is always reassignable

Option C: 'Var' has global scope, 'let' has block scope, and 'const' has block scope but is non-reassignable

Option D: All have the same scope and reassignment rules, just with different syntax

Answer: 'Var' has global scope, 'let' has block scope, and 'const' has block scope but is non-reassignable

Q: What is the primary benefit of using a front-end framework like React or Angular in web development?

Option A: Enhanced website security through built-in encryption

Option B: Improved SEO through automated meta tags

Option C: Simplified and efficient management of dynamic user interfaces

Option D: Direct integration with back-end databases without a server

Answer: Simplified and efficient management of dynamic user interfaces

Q: Which database model is best suited for handling large amounts of unstructured or semi-structured data in web applications?

Option A: Relational Database Management System (RDBMS)

Option B: NoSQL Database (e.g., MongoDB, Cassandra)

Option C: Graph Database

Option D: Time Series Database

Answer: NoSQL Database (e.g., MongoDB, Cassandra)