

## Generated Questions

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

Options: To enhance website security, To improve website loading speed, To extend CSS functionality with variables and nesting

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?

Options: 301 Moved Permanently, 302 Found, 404 Not Found, 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?

Options: Only 'const' allows for block scope and is non-reassignable, Only 'var' allows for global scope and is reassignable, 'let' and 'const' allow for block scope and are non-reassignable

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?

Options: Enhanced website security through built-in encryption, Improved SEO through automated meta tags, Simplified and efficient management of dynamic user interfaces

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?

Options: Relational Database Management System (RDBMS), NoSQL Database (e.g., MongoDB, Cassandra), Graph Database

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