1. What are variables in JavaScript? Explain their purpose and importance in programming.
2. Discuss the differences between var, let, and const in JavaScript. When would you use each of these variable declarations?
3. What are the rules for naming variables in JavaScript? Provide examples of valid and invalid variable names.
4. Discuss the concept of variable initialization and assignment in JavaScript. What is the difference between declaring a variable and assigning a value to it?
5. What is the purpose of constants (const) in JavaScript? How do they differ from variables declared with let and var?
6. Discuss best practices for variable naming, including conventions and guidelines that developers should follow to write clean and maintainable code.