

28 Lecture - CS504

Important Mcqs

Q: Which of the following is a good practice for naming variables in code? a) Using single-letter variable names. b) Using random names without context. c) Using meaningful and descriptive names. d) Using obscure names to challenge other developers. **Solution: c) Using meaningful and descriptive names.**

Q: Why is modularizing code considered a good practice? a) It makes the code harder to understand. b) It improves code readability and maintainability. c) It increases code duplication. d) It reduces the number of functions in the code. **Solution: b) It improves code readability and maintainability.**

Q: Which coding standard helps in ensuring consistent code formatting and style? a) Version control. b) IDE settings. c) Naming conventions. d) Linting rules. **Solution: d) Linting rules.**

Q: What is the purpose of writing comments in code? a) To add humor to the code. b) To hide important information from other developers. c) To explain complex logic and improve code understanding. d) To increase the number of lines in the code. **Solution: c) To explain complex logic and improve code understanding.**

Q: Which principle advocates against using global variables? a) Dependency Inversion Principle. b) Single Responsibility Principle. c) DRY (Don't Repeat Yourself) Principle. d) Encapsulation Principle. **Solution: d) Encapsulation Principle.**

Q: Why is adhering to the DRY (Don't Repeat Yourself) principle important? a) To increase code complexity. b) To make code harder to maintain. c) To reduce code duplication and improve maintainability. d) To make code more challenging for other developers. **Solution: c) To reduce code duplication and improve maintainability.**

Q: What is the benefit of writing unit tests for code? a) It increases code complexity. b) It decreases code maintainability. c) It ensures the code is bug-free. d) It helps identify and fix issues early in the development process. **Solution: d) It helps identify and fix issues early in the development process.**

Q: Which programming practice ensures that a function performs a single, well-defined task? a) Modularity. b) Abstraction. c) Encapsulation. d) Single Responsibility Principle. **Solution: d) Single Responsibility Principle.**

Q: Why should developers avoid using magic numbers in code? a) Magic numbers make the code more readable. b) Magic numbers are easier to remember than named constants. c) Magic numbers can cause confusion and are difficult to maintain. d) Magic numbers are trendy and enhance code aesthetics. **Solution: c) Magic numbers can cause confusion and are difficult to maintain.**

Q: What is the role of version control in good programming practices? a) Version control helps developers hide their mistakes. b) Version control ensures that the code never changes. c) Version control allows developers to track and manage code changes effectively. d) Version control hinders collaboration among developers. **Solution: c) Version control allows developers to track and manage code changes effectively.**