

# 30 Lecture - CS504

## Important Mcqs

**Q: Which aspect of programming is influenced by layouts in Java and C++?** a) Code execution speed. b) Code organization and readability. c) Memory management. d) Code security.

**Solution: b) Code organization and readability.** **Q: What does proper code layout involve?**

a) Writing code without comments. b) Indenting code inconsistently. c) Using meaningful variable names and adhering to coding standards. d) Adding excessive multi-line comments. **Solution: c)**

**Using meaningful variable names and adhering to coding standards.** **Q: Which statement**

**is true about comments in Java and C++?** a) Comments are ignored by the compiler and have no impact on code. b) Comments can only be single-line in both Java and C++. c) Comments provide explanations and documentation within code. d) Comments can be used as substitute code for certain functionalities. **Solution: c) Comments provide explanations and**

**documentation within code.** **Q: What is the purpose of indentation in code layout?** a) To

make the code look visually appealing. b) To reduce code execution time. c) To indicate loop nesting and control flow. d) To create hidden blocks of code. **Solution: c) To indicate loop**

**nesting and control flow.** **Q: Which comment type is used for single-line comments in both**

**Java and C++?** a) /\* ... \*/ b) <!-- ... --> c) // ... d) <!-- ... **Solution: c) // ...** **Q: How do comments**

**impact code execution in Java and C++?** a) Comments slow down code execution significantly.

b) Comments improve code execution speed. c) Comments have no impact on code execution. d)

Comments can cause compilation errors. **Solution: c) Comments have no impact on code**

**execution.** **Q: What is the recommended approach for writing multi-line comments?** a)

Using single-line comments repeatedly. b) Using /\* ... / for each line of explanation. c) Using a

single / ... / block for multi-line explanations. d) Avoiding multi-line comments for code simplicity.

**Solution: c) Using a single / ... \*/ block for multi-line explanations.** **Q: Which statement**

**about code readability and layouts is true?** a) Proper layouts have no effect on code

readability. b) Poorly organized code improves code maintainability. c) Consistent layouts improve

code readability and maintainability. d) Code readability is solely dependent on the choice of

programming language. **Solution: c) Consistent layouts improve code readability and**

**maintainability.** **Q: How do meaningful variable names contribute to code readability?** a)

Meaningful variable names increase code execution speed. b) Meaningful variable names make

code harder to understand. c) Meaningful variable names improve code comprehension and

readability. d) Variable names are not relevant to code readability. **Solution: c) Meaningful**

**variable names improve code comprehension and readability.** **Q: What should developers**

**avoid when using comments in code?** a) Using descriptive comments to explain complex logic.

b) Adding excessive comments that duplicate the code's functionality. c) Removing all comments

to reduce code size. d) Using multi-line comments exclusively for explanations. **Solution: b)**

**Adding excessive comments that duplicate the code's functionality.**