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Question and Answers

1. **What is C programming?**

   C is a **general-purpose, procedural programming language** developed by **Dennis Ritchie**. It is used to develop **system software, operating systems, and embedded systems**. It is known for its **speed, efficiency, and low-level memory access**.

2. **What are the features of C programming?**

   - Simple and fast
   - Portable (machine independent)
   - Structured programming language
   - Supports low-level (memory) access
   - Rich set of operators and libraries

3. **What are the applications of C?**

   - Operating systems (like UNIX)
   - Embedded systems
   - System software and drivers
   - Compilers and interpreters
   - Game development

4. **Difference between compiler and interpreter?**

Compiler	Interpreter
Translates entire program at once	Translates line by line
Faster execution	Slower execution
Errors shown after compilation	Errors shown line by line
Example: C, C++	Example: Python, JavaScript