

C&C++ INTERVIEW QUESTIONS

“Master these C & C++ interview concepts to confidently demonstrate your expertise in procedural and object-oriented programming, data types and memory management, pointers and references, classes and objects, inheritance and polymorphism, templates and STL, file handling, debugging techniques, performance optimization, and project workflow

- What are the key differences between C and C++?
- What is a pointer in C/C++?
- What is the difference between a pointer and a reference?
- What are the basic data types in C/C++?
- What is a variable and constant?
- What is a function?
- What is an array?
- What is the difference between call by value and call by reference?
- What is the difference between C and C++ compilation?
- What is object-oriented programming (OOP)?
- What is a class and an object?
- What is inheritance, polymorphism, encapsulation, and abstraction?

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- What is a constructor and destructor?
- What is function overloading and operator overloading?
- What is the Standard Template Library (STL)?
- What is a template in C++?
- What is dynamic memory allocation?
- What is a namespace?
- What is virtual function and pure virtual function?
- What is multiple inheritance?
- What is exception handling in C++?
- What is the difference between stack and heap memory?
- What are smart pointers in C++11 and above?
- What is RAII (Resource Acquisition Is Initialization)?