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| - Stack |
|  | - Queue |
|  | - Binary Tree |
|  | - Complexity |
|  | - Link List, Doubly Link List, Circular Link List |
|  | - How to count nodes in link list? |
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|  |  |
|  | - class vs object/instance |
|  | - public, private, protected |
|  | - constructor vs desructor |
|  | - default constructor vs parameterized constructor |
|  | - static variable, static function |
|  | - constructors execution cycle vs destructor execution cycle |
|  | - new operator |
|  | - Call by value vs Call by reference |
|  | - pointers, pointer to pointer |
|  | - Reference Operator (&) vs Dereference operator (\*) |
|  | - const keyword |
|  | - virtual functions, pure virtual functions |
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|  |  |
|  | - inheritance, Polymorphism, Abstraction, Encapuslation, Information Hiding |
|  | - composition vs aggregation |
|  | - static memory vs dynamic memory |
|  | - function overloading vs function overriding |
|  | - Deep Copy vs Shallow Copy |
|  | - Mutable vs Immutable |
|  | - Threading, Multithreading |
|  | - Design patterns, Singleton |
|  | - Three Tier Architecture |
|  | - MVC Architecture |
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|  |  |
|  | - Exists statement |
|  | - IN Statement |
|  | - Distinct Keyword |
|  | - LIKE operator |
|  | - Sub Query |
|  | - Group Functions (Sum, Avg, Max, Min, Count) |
|  | - Count(\*) vs Count(column) |
|  | - Having vs Where |
|  | - INNER JOIN/Equi Join |
|  | - SELF Join |
|  | - LEFT OUTER JOIN/RIGHT OUTER JOIN |
|  | - FULL JOIN |
|  | - CROSS JOIN |
|  | - IF Statement |
|  | - Stored Procedure vs Function |
|  | - Views |
|  | - DDL (CREATE, ALTER, DROP, TRUNCATE) |
|  | - DML (SELECT, Update, Delete, Insert Into) |
|  | - Primary key vs Unique Key |
|  | - Foreign Key |
|  | - Nullable, IsNull() function |
|  | - char vs varchar vs nvarchar |
|  | - Identity Column |
|  | - Clustered Index vs Non-Clustered Index |
|  | - Anomolies (Insert, Delete, Update) |
|  | - Normalization (1st normal, second normal, 3rd normal) |
|  | - Predefined functions (e.g. Getdate()) |
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|  | - Framework versions (1.0, 1.1,2.0,3.0,3.5,4.0,4.5) |
|  | - Visual Studios (VS 2003,VS 2005,VS 2008,VS 2010, VS 2012, VS 2013) |
|  | - CLR (Common Language Runtime) vs JVM (java virtual Machine) |
|  | - JIT (Just Intime Compiler) |
|  | - MSIL (Microsoft Intermediat Lanugage) vs Java Byte Code |
|  | - Language Interoperability? |
|  | - Is .Net plateform independent? |
|  | - Source Code -> MSIL -> machine code |
|  | - What is assembly in .net? Types of Assembly |
|  | - DLL (Dynamic Link Library) |
|  | - EXE (Executable) |
|  | - Namespace vs dll |
|  | - static class, static variable, static function |
|  | - private, public, protected, internal, protected internal |
|  | - int vs Int32? |
|  | - String vs string? |
|  | - const keyword, readonly keyword |
|  | - ADO.Net? |
|  | - SqlConnection, SqlCommand, SqlDataReader |
|  | - partial class |
|  | - What is Reflection in .net? |
|  | - Garbage Collector |
|  | - Collection vs Generic |
|  | - what is interface? |
|  | - abstract class vs interface |
|  | - virtual keyword, override keyword |
|  | - sealed keyword |
|  | - What is ASP.Net? |
|  | - Page Life Cycle? |
|  | - Exception Handling |
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|  | - What is JavaScript? |
|  | - What is jQuery? Other javascript libraries |
|  | - What is CSS? |
|  | - HTML vs HTML5 |
|  | - HTTP? |
|  | - Request vs Response |
|  | - GET vs POST |
|  | - thin client vs thick client |
|  | - Web Servers ( IIS (Internet Information Services), Apache, TomCat) |
|  | - Server Side programming vs Client side programming |
|  | - what are webservices? |
|  | - what is web 2.0? |
|  | - what is AJAX? |
|  | - what is REST services? |
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