C++ questions

* Learn- Rules for naming variables. Question Type-

1. Choose the correctly named variable.

* Learn- Abstraction and Encapsulation. Question type-

Scope of variable.

Access specifiers.

* Learn- Inheritance. Question Type-

Type of Inheritance

Access specifier of derivation.

Order in which constructor destructor is invoked.

* Learn- Polymorphism. Question Type-

Choose correct way to overload a function.

* Learn Decision Making constructs.
* Syntax based questions-

1. Syntax of using friend keyword.
2. Syntax of accessing a member function outside a class.(Scope resolution operator)
3. Syntax of accessing a static function

Data Structures & Algorithms

* Learn Algorithms, Code implementation, time and space complexity of(Important)-

Bubble sort.

Insertion sort.

Quick sort.

Binary search.

Linear search.

Hashing

Stacks

Queues

Binary tree

* Question type-

Big O notation.

Given a code snippet identify which data structure/sorting it is.

Find hash value, given the key and size of table

Properties of Algorithms

Stack and Queue functions(push,pop,enqueue,dequeue)

Deletion,Insertion into Linked list(code snippet)

Terms of a tree.(degree of node, level of node etc.)

Insertion and deletion of node in binary tree(code snippet)

SQL

* Syntax of every query(very important most questions asked this) for example-

Syntax of creating a view.

Syntax of creating a procedure.

Syntax of creating table.

* Know the meaning of every keyword(IN,EXISTS, EXCEPT etc.) they come in 1 marker.
* Aggregate functions(count,avg etc.)
* Architecture(single,two,n tier)
* SQL server components(Database engine, Replication etc.) and features of SQL server(CLR integration, XML support etc.)
* Types of SQL statements(DDL,DQL,DML,Transaction)
* Transactions(properties ,syntax and implementation)

RDBMS

* Data Models(ER model)
* Relational Operator how to use(RESTRICT, UNION)
* Relation between entites, types of entites
* Normalization(very important sure question) learn how to use which normal form where.
* ========================================
* c++
* 1.)Why is returm (0) written at the end of the main function?
* 2.)The process of correcting errors in a program
* 3)keyword used to convert small case to upper case
* 4)if a base class is derived in a derived class \_\_\_\_\_\_\_\_\_\_
* DS:
* 1)algorithm to find product of n natural no's
* 2)hashing technique that divides the key value and then extract ....
* 3)alg to delete the first node from the doubly linked list
* 4)257\*+3- top of the stack
* 5)the process of visitig each node in the tree -
* 6)binary tree question (proprties)
* 7)
* RDBMS
* 1) the model based on real world perception in rdbms
* sql
* 1) SQL server tool that allows developer to debug,etc
* 2) clause used to change in the table
* 3) in SQL when the subquery return more than 1 value what shld be used
* 4) how to join each row from 1 table to each row of another table