

## INTERVIEW QUESTIONS IN C++

- 1) WHAT IS NAME MANGLING?
- 2) WHAT ARE NAMESPACES?
- 3) WHAT IS THE DIFFERENCE BETWEEN FUNCTION OVERRIDING AND OVERLOADING
- 4) WHAT ARE MAJOR PILLARS OF OOP?
- 5) WHAT IS CLASS AND OBJECT?
- 6) WHAT ARE DIFFERENT ACCESS SPECIFIERS IN CLASSES IN C++
- 7) WHAT ARE DIFFERENT STORAGE CLASSES IN C++?
- 8) DIFFERENCE BETWEEN POINTER AND REFERENCES?
- 9) ADVANTAGES OF REFERENCES OVER POINTERS?
- 10) EXPLAIN STATIC VARIABLES IN C++ FUNCTIONS?
- 11) EXPLAIN STATIC DATA MEMBERS AND FUNCTIONS IN C++?
- 12) WHAT IS VIRTUAL FUNCTION?
- 13) WHAT ARE PURE VIRTUAL FUNCTIONS?
- 14) EXPLAIN USE OF CONSTRUCTORS AND DESTRUCTORS
- 15) WHAT ARE VIRTUAL DESTRUCTORS
- 16) CAN STATIC FUNCTION ACCESS INSTANCE FIELDS?
- 17) USE OF CONST SPECIFIER IN FUNCTIONS
- 18) CALL BY VALUE AND CALL BY REFERENCE
- 19) WHAT IS INHERITANCE?
- 20) WHAT IS STATIC BINDING AND DYNAMIC BINDING?
- 21) HOW TO MAKE A CLASS SINGLETON
- 22) CAN WE HAVE A PRIVATE CONSTRUCTOR
- 23) DIFFERENCE BETWEEN STATIC CAST AND DYNAMIC CAST?
- 24) DIFFERENCE BETWEEN CONVERSION CONSTRUCTOR AND COPY CONSTRUCTOR
- 25) WHEN IS COPY CONSTRUCTOR NEEDED
- 26) WHAT IS VIRTUAL INHERITANCE PROBLEM? HOW IS IT RESOLVED
- 27) WHAT IS AN ABSTRACT CLASS?
- 28) DIFFERENCE BETWEEN COMPOSITION AND AGGREGATION
- 29) EXAMPLE OF A DEEP COPY AND SHALLOW COPY
- 30) WHAT IS MEMORY LEAK
- 31) WHAT ARE DANGLING POINTERS
- 32) HOW TO ACHIEVE LOOSE COUPLING
- 33) DIFFERENCE BETWEEN ABSTRACTION AND ENCAPSULATION
- 34) WHAT ARE MEMBER INITIALISERS
- 35) WHAT IS OPERATOR OVERLOADING
- 36) WHEN THERE IS A NEED TO OVERLOAD OPERATOR AS A GLOBAL FUNCTION ONLY
- 37) WHAT IS FACTORY DESIGN PATTERN?
- 38) WHEN TO USE EXPLICIT WITH CONSTRUCTOR?
- 39) WHAT ARE FRIEND FUNCTIONS?
- 40) WHAT IS A THIS POINTER? IS THERE ANY RELATION WITH MEMBER FUNCTION IN C++?

## INTERVIEW QUESTIONS IN DBT

- 1) WHAT IS RDBMS
- 2) WHAT IS SQL WHAT ARE ITS ADVANTAGES
- 3) SPECIFY DATA TYPES OF ORACLE
- 4) GIVE SUB LANGUAGE OF SQL
- 5) LIST COMMANDS UNDER EACH SUB LANGUAGE
- 6) GIVE ME COMPLETE SYNTAX OF A SELECT STATEMENT WITH ALL CLAUSES
- 7) WHAT ARE CONSTRAINTS? LIST DIFFERENT TYPES OF CONSTRAINTS
- 8) WHAT IS CHECK CONSTRAINT , GIVE EXAMPLE
- 9) DIFFERENCE BETWEEN UNIQUE AND PK
- 10) CAN PK HAVE NULL VALUES?
- 11) WHAT ARE TABLE LEVEL AND COLUMN LEVEL CONSTRAINTS
- 12) WHAT ARE SET OPERATORS
- 13) EXPLAIN DIFFERENT TYPE OF JOINS
- 14) WHAT IS A JOIN WHEN IT IS NEEDED
- 15) WHAT IS SUBQUERY?
- 16) GIVE A QUERY TO FIND SECOND LARGEST SAL
- 17) WHAT IS SPECIAL OPERATORS USE IN SUBQUERY
- 18) WHAT IS TRANSACTION?
- 19) WHAT ARE ACID PROPERTY IN TRANSACTION
- 20) WHAT IS LOCKING MECHANISM USED IN SQL
- 21) WHEN TO USE GROUP BY
- 22) WHEN TO USE HAVING
- 23) WHAT ARE VIEWS
- 24) LIST FEW OF THE ADVANTAGE OF VIEW
- 25) GIVE AN EXAMPLE OF DELETE BASED ON SUBQUERY
- 26) LIST COMMAND UNDER DDL
- 27) HOW TO ADD PK CONSTRAINT AFTER TABLE IS CREATED
- 28) WHAT IS THE DIFFERENCE BETWEEN DELETE DROP AND TRUNCATE COMMAND
- 29) GIVE FEW EXAMPLES OF PREDEFINED FUNCTIONS IN ORACLE
- 30) GIVE USE OF DECODE FUNCTION
- 31) WHAT IS NULL IN ORACLE? WHAT IS THE USE OF NVL FUNCTION
- 32) CAN FK COLUMN HAVE NULL VALUES
- 33) WHAT IS ON DELETE CASCADE, WHERE IT IS APPLIED
- 34) WHAT ARE TYPES OF VIEWS
- 35) CAN ALL VIEW BE UPDATED
- 36) CAN WE CREATE A VIEW ON NON EXISTING TABLE
- 37) CAN WE CREATE A READ ONLY VIEW
- 38) WHAT IS WITH CHECK OPTION IN VIEWS
- 39) WHAT ARE STORED PROGRAMS
- 40) STATE ITS ADVANTAGES

- 41) DIFFERENCE BETWEEN STORED FUNCTION AND PROCEDURE
- 42) WHAT IS A TRIGGER
- 43) DEFINE IN OUT INOUT
- 44) WRITE A SYNTAX TO CREATE A PROCEDURE / FUNCTION
- 45) STATE FEW OF DISADVANTAGE OF USING A PROCEDURE
- 46) WHAT IS THE USE OF CURSORS
- 47) WHAT ARE FOUR STEPS TO WORK WITH CURSORS
- 48) WHAT ARE DIFFERENT CURSOR ATTRIBUTES
- 49) WHAT IS EXCEPTION IN ORACLE? LIST FEW PREDEFINED ORACLE EXCEPTION
- 50) HOW TO CREATE USER DEFINED EXCEPTION IN ORACLE