

ADVANCED CERTIFICATION COURSE IN SQL

```
matrix: ";  
  
// storing elements of first matrix.  
cout << endl << "Enter elements of matrix 1:" << endl;  
for(i = 0; i < r1; ++i)  
{  
    for(j = 0; j < c1; ++j)  
    {  
        cout << "Enter element a" << i + 1 << j + 1 << " : ";  
        cin >> a[i][j];  
    }  
}  
  
// storing elements of second matrix.  
cout << endl << "Enter elements of matrix 2:" << endl;  
for(i = 0; i < r2; ++i)  
{  
    for(j = 0; j < c2; ++j)  
    {  
        cout << "Enter element b" << i + 1 << j + 1 << " : ";  
        cin >> b[i][j];  
    }  
}
```

CERTIFICATIONS OPTIONS AVAILABLE



ABOUT US

Infobyte Career Institute offers a high-quality learning experience in the field of IT training to train students on brand new technologies and train them to deliver the desired results with commercially relevant and re-organized technical skills.

The probability of achieving your dream job will keep on increasing day by day once you complete a course in Infobyte Career Institute. We also focus on improving soft skills in terms of communication, leadership, teamwork, external appearance, and attitude which helps everyone to be professional in all the aspects of their career.

ABOUT SQL CERTIFICATION

SQL (Structured Query Language) is a standardized language used to manage and manipulate relational databases. It allows users to perform various operations such as retrieving, inserting, updating, and deleting data. SQL is widely used in applications requiring structured data storage and retrieval. It consists of several key components, including Data Query Language (DQL) for fetching data, Data Definition Language (DDL) for defining database structures, Data Manipulation Language (DML) for modifying data, and Data Control Language (DCL) for managing permissions. SQL is essential for database management systems like MySQL, PostgreSQL, SQL Server, and Oracle, making it a crucial skill for developers and data

BENEFITS OF SQL CERTIFICATION

- Free Complete Placement Training
- Career Growth - Higher Pay & Position
- Encourages Professional Development
- Enhances Professional Credibility
- Internship Assistance
- Free Demo Class
- Certified Course Excellent Training
- with Qualified Trainer
- 50+ Case Studies
- 10+ Projects

CONTENTS

Oracle SQL 12C :- Exam code: 1Z0-061

Introduction to Oracle Database

- List the features of Oracle Database 12c
- Discuss the basic design, theoretical, and physical aspects of a relational database
- Categorize the different types of SQL statements
- Describe the data set used by the course
- Log on to the database using SQL Developer environment
- Save Queries to files and use script files in SQL Developer

Retrieve Data using the SQL SELECT Statement

- List the capabilities of SQL SELECT statements
- Generate a report of data from the output of a basic SELECT statement
- Select All Columns
- Select Specific Columns
- Use Column Heading Defaults
- Use Arithmetic Operators
- Learn the DESCRIBE command to display the table structure
- Understand Operator Precedence

Learn to Restrict and Sort Data

- Write queries that contain a WHERE clause to limit the output retrieved
- List the comparison operators and logical operators that are used in a WHERE clause
- Describe the rules of precedence for comparison and logical operators
- Use character string literals in the WHERE clause
- Write queries that contain an ORDER BY clause to sort the output of a SELECT statement
- Sort output in descending and ascending order

CONTENTS

Usage of Single-Row Functions to Customize Output

- Describe the differences between single row and multiple row functions
- Manipulate strings with character function in the SELECT and WHERE clauses
- Manipulate numbers with the ROUND, TRUNC, and MOD functions
- Perform arithmetic with date data
- Manipulate dates with the DATE functions

Invoke Conversion Functions and Conditional Expressions

- Describe implicit and explicit data type conversion
- Use the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions Nest multiple functions
- Apply the NVL, NULLIF, and COALESCE functions to data Use conditional IF THEN ELSE logic in a SELECT statement

Aggregate Data Using the Group Functions

- Use the aggregation functions in SELECT statements to produce meaningful reports
- Divide the data into groups by using the GROUP BY clause
- Exclude groups of data by using the HAVING clause

Display Data From Multiple Tables Using Joins

- Create a simple and complex view
- Retrieve data from views
- Create, maintain, and use sequences
- Create and maintain indexes
- Create private and public synonyms

CONTENTS

Use Subqueries to Solve Queries

- Describe the types of problem that sub-queries can solve
- Define sub-queries
- List the types of sub-queries
- Write single-row and multiple-row sub-queries

The SET Operators

- Describe the SET operators
- Use a SET operator to combine multiple queries into a single query
- Control the order of rows returned

Data Manipulation Statements

- Describe each DML statement
- Insert rows into a table
- Change rows in a table by the UPDATE statement
- Delete rows from a table with the DELETE statement
- Save and discard changes with the COMMIT and ROLLBACK statements
- Explain read consistency

Use of DDL Statements to Create and Manage Tables

- Categorize the main database objects
- Review the table structure
- List the data types available for columns
- Create a simple table
- Decipher how constraints can be created at table creation
- Describe how schema objects work

CONTENTS

Other Schema Objects

- Create a simple and complex view Retrieve data from views
- Create, maintain, and use sequences Create and maintain indexes
- Create private and public synonyms

Control User Access

- Differentiate system privileges from object privileges
- Create Users
- Grant System Privileges
- Create and Grant Privileges to a Role Change Your Password
- Grant Object Privileges How to pass on privileges?
- Revoke Object Privileges

Management of Schema Object Add,

- Modify and Drop a Column Add,
- Drop and Defer a Constraint
- How to enable and disable a Constraint?
- Create and Remove Indexes
- Create a Function-Based Index
- Perform Flashback Operations
- Create an External Table by Using ORACLE_LOADER and by Using

CONTENTS

ORACLE_DATAPUMP

Query External Tables

Manage Objects with Data Dictionary Views

- Explain the data dictionary
- Use the Dictionary Views
- USER_OBJECTS and ALL_OBJECTS Views
- Table and Column Information
- Query the dictionary views for constraint information
- Query the dictionary views for view, sequence, index, and synonym information
- Add a comment to a table

Manipulate Large Data Sets

- Use Subqueries to Manipulate Data
- Retrieve Data Using a Subquery as Source
- Insert Using a Subquery as a Target
- Usage of the WITH CHECK OPTION Keyword on DML Statements
- List the types of Multi-table INSERT Statements
- Use Multi-table INSERT Statements
- Merge rows in a table
- Track Changes in Data over a period of time

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Retrieve Data Using Sub-queries

- Multiple-Column Subqueries
- airwise and No pairwise Comparison
- Scalar Subquery Expressions
- Solve problems with Correlated Subqueries
- Update and Delete Rows Using Correlated Subqueries
- The EXISTS and NOT EXISTS operators
- Invoke the WITH clause
- The Recursive WITH clause

Regular Expression Support

- Use the Regular Expressions Functions and Conditions in SQL
- Use Meta Characters with Regular Expressions
- Perform a Basic Search using the REGEXP_LIKE function Find
- patterns using the REGEXP_INSTR function
- Extract Substrings using the REGEXP_SUBSTR function
- Replace Patterns Using the REGEXP_REPLACE function
- Usage of Sub-Expressions with Regular Expression Support
- Implement the REGEXP_COUNT function

And Many More...

WHO CAN LEARN ?

- Anyone who wants to build a career as a Data Scientist
- Anyone who wish to gain knowledge about Programming
- Students who are currently in college or university

CAREER OPPORTUNITIES

- Database Developer
- Data Scientist
- Database Administrator
- Quality Assurance Tester
- Researcher / Educator
- Database Migration Engineer
- SQL Data Analyst

and Many More...

FACILITIES OFFERED

- Practical Training on Live Projects
- Complete Placement Assistance
- Interview Preparation
- Global Certification
- Fully functional labs
- Online / Offline Training
- Study Materials
- Expert Level Industry Recognized Training

OUR RECRUITERS

