Course Content – SQL & PLSQL

Topic 1

SQL Basics : Sytax & Features
SQL Rules
Data Defination Vs Data Manipulation

Topic 2

Installation of PostgrSql & MySQL

Topic 3

Data Defination Statements
Managing Tables & Data Types
Create and delete Database
Introducing Data type
Creating Columns
Inserting Data into Created Table
Deleting/Dropping Table
Dealing With NULL Values
NOT NULL Constraint
CHECK Constraint
Setting Unique IDs & Primary Key
Autoincrement Column values

Topic 4

Data Manipulation
CRUD Operations, Data Fetching & Filtering
INserting Data
Selecting Data
Updating Data
Deleting Data
Filtering using WHERE
DISTINCT
Subquries & Views

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Topic 5
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Data Relationship & JOINs
Data Normalization
Creating table with relation
INNER JOIN
LEFT JOIN
RIGHT JOIN
CROSS JOIN
UNION
Data Relationship Type 1-M, M-1, M-M, 1-1
Primary Key
Foreign Key

Topic 6
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Group By and Aggregate Function
COUNT()
MIN()
MAX()
SUM()
AVG()
ROUND()
Understanding GROUP BY
WHERE Vs HAVING
Nested Queries
Understanding ORDER BY

Topic 7
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Database Transaction
ROLLBACK
COMMIT
SAVEPOINTS
Transactions in PostgrSQL

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Topic 8 : PLSQL
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Basics Of Programming in PLSQL
How to create file to write a program
How to write program
how to declare variables
Conditional statements - if-else
Loop statements - for
Function/procedure
cursor
trigger

Databases

MySQL, PostgreSQL

Course Completion Certificate

At the end of course you will get Techno Comp Academy's Course Completion Certificate.

Course Duration

3 Months