



TEERTHANKER MAHAVEER UNIVERSITY

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Introduction to ORACLE 11G SQL & VB-NET

Objective: To Enhance the knowledge and understanding of the processes of Database Development and manipulation using SQL and PL/SQL .

1. Introduction to SQL
2. Introduction of Oracle 11g
3. Using Select queries , where clause, order by clause, distinct keywords etc on a sample database
4. SQL inbuilt functions
5. Special function like decode, case, NVL, NVL2, nullif, coalesce, etc.
6. Use of operators (arithmetic/logical/relational, etc.)
7. Group by clause and group function, use of having clause.
8. Create a sample Relational Database
9. Using DDL to create Tables, Alter Tables, Drop Tables
10. Using DML to update tables and insert data.
11. Use constraints to define Primary Keys, Foreign Keys, Cascade Operations and check
12. Constraints.
13. Handling query using joins, cross joins, self join, etc.
14. Handling query using sub query etc.
15. Create Tables using sub query.
16. handling query using SETS (union, intersection, difference etc)
17. Use of commit and rollback
18. Create alter and drop view.

19. Create alter and drop sequence.
20. Create alter and drop Index.
21. Create alter and drop Synonyms
22. use of data dictionary
23. Creating simple PL/SQL programs.
24. Create alter and drop Cursors
25. Create alter and drop procedure. Calling procedures, passing of parameter.
26. Create alter and drop function, calling functions, passing of parameter.
27. Create alter and drop Triggers. Calling procedures, passing of parame
28. Create alter and drop packages.
29. Designing rules of PL/SQL code.
30. Using DCL to grant & revoke permissions to users.

