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Assignment - 04

* Date of completion: 31st | August 2020

Date of Submission: 14th | September | 2020.

Au types of join, sub-query le n'ew.

* Problem Statement:

Design at least 10 sql squeries for suitable database application using sql DML statements; All types of joins, sub-query & riew.

Objective: To understand:

- Types of joins

- subquery & its types

- complex news & simple new.

Outcome! Students neig be able to

- Volentify & implement types of joins, subquery & riew

- suplementation le updation of simple n'en.

S/W And H/W Requirements: Mysfl, Windows 10 (64-bit), is puocessos.

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· Problem Statement

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. Sale of Completion JOIN: SQL Join is used to fetch data from two or more tables, which is joined to appear as single set of data. Sol join is used for combining column from two on more tables by using values common to both lables.

TYPES OF JOIN:

O CROSS JOIN:

- this join ruturns the cautesian product of eows from lables in join. It will return a lable which consists of recorder which combines each now from first table to each now of second table 1 Synton:

Select column list from table! CROSS JOIN table 2;

INNER JOIN: This is a simple JOIN in which the result is based on matched data as per equality condition specified in the query

Syntax: Select columnlist from table! inner join tables where lables colname;

NATURAL JOIN: It is a type of inner join which is based on column having same name le same datatype

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present in both tables to be joined.

Select or from lable 1 NATURAL JOIN table 2;

OUTER JOIN: It is based on both matched and unmatched data. Outen join subdivides further into

matched data of two variables table, then remaining sources of the left table & muli for the right tables cofund

Select column list from table! lift outer join table? on table! col = table? col,

matched data solumns of two tables by their separating somes of right table and mul for the left tables dolumn

Select solumnlist from table 1 light outer join table 2 on table 1 col = table 2 col;

the matched data of 2 lables by their remaining some of both left table be right lable.

Syntax: (Only supported by ORACLE)

Select column list from lables full outer join lables on Tables col;

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SELF JOIN:

- The table is joined with itself.
Syntax:

select columnlist from tables 71, lables 72 where condition;

COUNT JOIN!

o it groups sows that have same values o it often used with aggregate functions like count, max, min, sun, avg, etc.

where condition group by columns;

O SUB QUERY:

- au sol query nested inside a langer query - A subquery may occurs in

a select clause

e a whire clause

o a from clause

Syntax:

select columnist from tablelist where condition is (select columnist from tablelist);

COMPLEX VIEW:

- Hew created using more than one table.

Syntax!

table view join table? using (rolumn);

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SIMPLE VIEW:

Syntax:
create view view-name as select voll, 2012 from table name where condition;

Inserting into a view (simple):

insert into n'ew-name (rols) values (vall, val2, val3);

Updating a n'ew (simple)

update view-name set colname = value where condition;

deleting from a view (simple): syntax: delete from view name where condition;

- dropping a view: drop view view-name;

O MULTITABLE JOIN:

syntax: velect volumnlist fluom tables inner join tables using (on where joins lables using (vol) where condition;

Emple views cannot be updated | modified but

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| 0 | HAVING clause: added because where keyward cannot be used with |
| | aggregate functions |
| | Syntax: select col from table & where condition group by col(s) having condition group by column (s) |
| | THE HER LEELS WARE CARD VALUE COME |
| * | Conclusion: |
| | - ne used subquery in son. - ne implemented complia n'ew in son. - ne modifiéed a simple n'ew in son |
| | - ule modifiéed a simple new in 191 |
| | deleting from a view (sunger) |
| | delice from view name where condition; |
| | C -1 duppung a view and commander |
| | C MULTETABLE TOTAL |
| 44 | wing ten work tem labers wan for the |
| | repairem: |
| | Some who cannot be updated medified but |

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