Lab Assignment - 1

Date ___ / ___ / ___

(या जोड़ नाम)

Q) Consider A table stud 69. Write sql cmd for the following table ~~table~~ statements

primary key→

Stud-no	class	Name	Game	Grade 1	~~supw~~ SUPW	Grade 2
10	7	Sameer	Cricket	B	Photography	A
11	8	Sujit	Tennis	A	Gardening	C
12	7	Kamal	swimming	B	Photography	B
13	7	Veena	Tennis	C	Cooking	A
14	9	Archana	Basketball	A	Literature	A
15	10	Arpit	Cricket	A	Gardening	C

Q) ① Display the name of the students who are getting grade 'c' in either game or supw.

→ > Select name from stud 69
    where grade1 = 'c' or grade2 = 'c';

② Display no. of students getting grade 'A' in cricket

→ > Select count (*) from stud 69
    where grade1 = 'A' and game = 'cricket';

③ Display the different games offered in the school.

→ > Select DISTINCT game
    from stud 69;

④ Display the supw taken by the students whose name start with 'A'.

→ Select supw from stud 69 where name like 'A%';

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(❋) ⓥ Add a new ~~to~~ column name 'marks'

→ ⟩ Alter table stud69
add marks double ;

ⓥⒾ Assign a value 200 for marks for all those who are
grade B or above in game.

→ ⟩ Update stud69
set marks = 200
where grade1 <= 'B';

ⓥⒾⒾ Arrange the whole table in alphabetical order to supw

→ ⟩ Select * from stud69
order by supw;

PRQ) Write a query to display ~~eno~~ eno, ename, sal and
create col^m sal*12 as annual_salary whose commission is
not null ~~from table~~ emp

→ Select eno, ename, sal, sal*12 as 'annual-salary'
from emp
where commission is not null;

Lab assignment -2

Q In a database company, there are two tables: Sales & Locat...

Sales

sid	Name	Sales	lid
S1	Anita Singh	250 000	L02
S2	YP Singh	1300 000	L01
S3	Tina Ag.	1400 000	103
S4	Gurdeep Singh	1250 000	L02
S5	Sini Fizal	1450 000	W3

Location

lid	lname
L01	Delhi
102	Mumbai
103	Kolkata
104	Chennai

Q1) Write sql cmd to display sid, name of salesman, lid with the corresponding location name

→ > Select sid, Name, Sales.lid, lname
from sales, Location
where sales.lid = location.lid;

Q2) Write sql cmd to display name of salesman, sales amt & corresponding location name who have achieved sales > 1300000

→ > Select Name, Sales, lname from Sales, Location
where sales.lid = Location.lid
and Sales > 13 00 000;

Q3) Write sql cmd to display name of those salesman who have 'Singh' in their name

Q4) Write sql cmd to change location id to L04 of the salesman with id as S3 in the sales

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✦ Equi join

(= operator se table join होती)

→ Sales. lid = Location. lid
←

Eg →

Table: abc	
id	col1
2	A2
5	AS
3	A3
1	A4
4	A2

Table: xyz	
id	col2
S	BS
1	B1
3	B3
36	B4
2	B2
S	B6

Syntax

Select Column list
from table 1, table 2
where table1.col name
= table2 column name;

↳ Select * from abc, xyz
where abc. id = xyz. id;

↳
id	col1	id	B2
2	A1	2	B2
5	AS	5	BS
5	AS	5	B6
3	A3	3	B3
1	A4	1	B1

Definition

→ Equi join perform join operation against equality or matching column value of the associated table.

→ '=' sign is used as comparison operator in the where clause to refer equality

Ans 3→ Select Name from Sales
Where Name like Like '% Singh';
←

Ans 4→ Update Sales
set did =104
where sid = 'S3';

Q1)

Stud 69			
id	Name	class	City
3	Hina	3	Delhi
4	Megha	2	Ranchi
6	Gohri	2	Tata

record

id	class	city
9	3	Delhi
10	2	gaya
12	2	Ranchi
14	16	Ranchi

Select stud69, *

~~Select stud 69.n~~

↳a1) > Select stud 69. name, stud69. id, record. class
   from stud 69, record
   where stud69. city = record. city;

stud69.

→
Name	id	class
Hina	3	3
Megha	4	2
Megha	4	16

Table: SAMS

icode	iname	price	colour	Vcode
S001	Refridgerator	20,000	Blue	P01
S002	Mobile Phone	45,000	Black	P02
S003	LCD	60,000	Silver	P03
S004	Mashing m/c	12,500	Smoke	P01
S005	A.C.	16,000	White	P03

Table: Vendor

Vcode	VName
P01	Satish
P02	Manoj
P03	Subodh
P04	jacob

Q1) To display icode, iname, and Vname of all vendor who manufac manufacture 'Refridgerator'.

→ > Select icode, iname, SAMS.V Vname from Sams, Vendor
where SAMs. Vcode = Vendor. V code
and iname = "Refridgerator";

a2) Write sql code to display iname, icode, Vname & price of all products whose price is more than than 20,000.

→ > Select iname, icode, Vname, price from SAMS, Vendor
where SAMs. Vcode = Vendor. Vcode
and price > 20,000;

a3) Write sql code to display Vendor name & name of all items manufactured by Vendor whose code is P03

→ > Select Vname, iname from SAMS, Vendor
where SAMS. Vcode = Vendor. Vcode
and SAMS. Vcode = 'P03';