Exp-7 Join Queries

Aim's To perform manipulate records of table using nested quois in SQL.

Joins - used to combine data spread across table

Syntax

SE'SELECT table! column, table? column

FROM table 1, table 2

WHERE table 1. column 1 = table 2. column 2;

- A Join basically involves more than one Table to interact with.
- > Where Claye spiffes the JOIN Convection. Condition.
- -> Ambiguous Column names are identified by Table name.
- Join condition is omitted, then a Cartesian product is formed. This is all rows in the first table are sooned to all rows in second table.

Types of joins >>

- > Inner Join (simple Join) : rétrives roces from 2 tables having common column.
 - o Equi Join: Ajoin condition with relationship =
 - · Non equi Join: A join condition with relationship other than =
- > self Join: Joining table to itself
- > Outer Join: Returns all rows fetermed by simple join of well on those rows from one table that do not match any now from the that do not match any

Apply all types of Join in table student & courses.

sould teled to from stadent, courses where stadent roll no

SOL> SELECT * FROM Student

INNER JOIN COWNEY ON student roll-no = course. roll-no 8;

student rolling, course-id, name, age

SOL) SELECT ** FROM student

LEFT JOIN COURSES. ON student. roll-no = course. roll-ro;

OI List empro, enoune, deptro from emp and dept tables.

SELECT emp. empro, emp. enoune, dept. deptro From dept JOIN emp ON
emp. deptro = dept. deptro;

Q28 L9st enoume, sal and salegrad of all employees.

Rom Delto 18 2 Rometh Aurgnon 18 2 2 3 Sujit Rottuk 20 2 3 4 Sweeth Delto 18 3 4 roll no course-id name age 1 Rom 18 2 2 Rometh 18 3 2 sufit 20 3 2 sufit 20 7319 Smith 20 7321 Want 30 7366 Jones 20 7531 Wantin 30 7666 Jones 20 7637 Wantin 30 7698 Blake 7782 Clank 10 7784 Scott 20 7875 Scott 20 7877 King 10	rol	ano rame	addres	s age	course_id	
2 Romen Caughon 10 3 Sigit Rother 20 2 3 4 Sweeth Delhi 18 3 4 roll no course-id nowne age 1 1 Rown 18 2 2 Romenth 18 3 2 sigit 20 4 3 Sweeth 18 roll no course-id nowne age 1 1 Rown 18 2 2 Romenth 18 3 2 sigit 20 4 3 Sweeth 18 roll no course deptino roll no course-id nowne age 1 1 Rown 18 2 2 Romenth 18 3 2 sigit 20 7 Sweeth 18 roll no course-id nowne age 1 1 Rown 18 2 2 Romenth 18 3 2 roll nowne age 1 2 2 Rownesh 18 3 2 roll nowne age 2 2 2 Rownesh 18 3 2 roll nowne age 2 2 2 2 2 2 2 roll nowne age 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Delk	18		
roll no course-id name age 1		2 Romesh	Gurgaon	18	2	2
roll_no course_id noune age 1		3 Swit	Rothak	20	2	3
		r Sweet	Delivi	18	3	Ч
Ram (8 2 2 Romesh 18 3 2 Swift 20 4 3 Sweeth (8 Proposition of the second of the	roll no	course-id	noune	age		/
2 Suresh (8) empro name deptho 7369 Smith 20 749 Beller 30 7521 Word 30 7566 Jones 20 7654 ineutin 30 7698 Blake 7782 Clark 10 7787 Scott 20 7637 King 10		1	Ram	(8		
2 3 suit 20 3 Suresh (8) empro name deptro 7369 Smith 20 749 Bllen 30 7521 Word 30 7566 Jones 20 7654 juntin 30 768 Blake 7782 Clark 10 7787 Scott 20 7637 King 10	2	2	Roumesh	(8		
empro name deptro 7369 Smith 20 7749 Beller 30 7521 Would 30 7566 Jones 20 7654 ineutin 30 7698 Blake 7782 Clank 10 7784 Scott 20 7837 King 10			tibue	20		
7369 Smith 20 749 Beller 30 7521 Woord 30 7566 Jones 20 7654 Heartin 30 7698 Blake 7782 Clank 10 7787 Scott 20 7837 King 10	4	3	Swresh	(8)		
7749 Blen 30 7521 World 30 7566 Jones 20 7654 Justin 30 7698 Blake 7782 Clark 10 7787 Scott 20 7837 King 10						
7521 Word 30 7566 Jones 20 7654 Juentin 30 7698 Blake 7782 Clark 10 7788 Scott 20 7837 King 10	1369	Smith				
7654 Junetin 30 7698 Blake 7782 Clark 10 7787 Scott 20 7837 King 10					1	
7698 Blake 7782 Clank 10 7788 Scott 20 7837 King 10	7566	Jores	20			
7782 Clark 10 7788 Scott 20 7837 King 10			30			
7788 Scott 20 7837 King 10	7782	Clark	10			
7837 King 10			20			
7844 Jumen 30			10			
	7844	Jumer	30			
7876 Jadamy 20	7876	Adams	20			
7900 James 30	7960	James	30			
402 Ford 20	1402	Jord	20			
깨끗해 공장하다는 게 하나를 빼고하는 이 것이는 맛가ৈ듯요? 이러워 하고 있는 사람이 하여지 하는 것도 있는 사람들이 모든 사람들이 나를 하게 되었다.						

03/ List enoune, deptro and deptrame from emp and dept talks including rows of emptable that does not match with any of rows in dept table.

SOL) SELECT empro, encume, emp. deptro FROM emp.

LEFT JOIN dept ON emp. deptro = dept. dept.ro;

by Lest ename, deptho & dept name from emp & dept tables unduding the rows of dept table that does not match with any of the rows in emptable.

SQL) select empro, encume, dept.dept.no, FROM dept

LEFT JOIN & emp ON emp.deptno = dept.deptno;

05/ List the roume of employees with name of his/her manager from emp table.

em	pno nou	ne	deptno	
736	g Smi	th	20	
749		~	30	
752	1 would		30	
7566	Jones	ones 20		
7650	, Mart	in	30	
769	18 Blake		30	
7782	2 Clark	Clark		
7788	Scott	Scott 20		
7839	King	9 10		
7847	Turner	3	0	
7876	Addams	2	10	
7900	James	3	30	
7702	Ford	2	0	
7937	Miller	10	, o ×	3
				3 N
empno	hame	dept	no drame	
7934	Miller	10	Accounts	
7839	King	(0	Account	4
7782	Clark	10	Accounting	
7402	Ford	20	Research	
7876	Adams	20	Research	
7788	Scott	20	Research '	
7566	Jones	20	Resceonch	
7361	& mith	30	delley	
7400	Tomes	3.0	dales	
7844	Twener	30	Jules	
7698	Blake	30	Sales	
7654	nitrolu	30	Sales	
7521	word	30	Lealer	
7744	Allen 3	30	suy	
NOLL	NUL 4	0	operations	

SPL) SELECT el. en AS employee-name, e2. en ame AS manager-name

FROM employee el

LEFT OUTERTOIN employee e2

ON askarague de el. mgr = e2. ampno and

ON amagereides el. mgr = c2-ampro and e2.job = 'manager';

Exp no 7		Oate:	15/3/2023
Exp name Jos	And upon the facility of the f		
Understanding the co	3		
SOL query Edentifical	3		
VIVA (Y)			
Total (10)			
Verified by	BOULT .		
Synature			