8925 Task's Waiting Join qualer , Equivalent, quaries AND/OR Recordive Aim: To implement and execute JOIN queries quiries and reconsive queries Percedure: · Oreal e the distabase and dahles . Insort · Insort sample data · Woulde sat quoies using different Jepes of Joine opinis (distorant approach vonite approach to get the same nexult? · Implement a sie ausive pury Cusing WITH REWASIVE). pisplay signalts and verify Corviedness piddenent types of SQL JOINS · CINNER) JOIN: tables SELECT column-name (3) FROM fable) INNER JOIN fable 1 ON table 1. column_name=falez. · LEFT COUTER DJOIN SELECT column/name (s) FROM fable 1 LEFT JOIN table 2 ON table 1. Column name = tale 2. Column - nome: · RIGHT (OUTER) DOIN: SELECT column-name (6) FROM table 1 RIGHT JOIN table 2 ON table 1. Column name = Gable 2. Colun - name, , FULL COUTER) JOIN: FULL OUTER Join Gable 2 ON table! Columninanc= Cable 2. column - name;

1. JOIN QUONO (All TYPES) CREATE TABLE DEPOSITIONED SC PEPT ID INT PHIMARY KEY, pertione VARCHAR(50) 25 CREATE TABLE Patients (Pal ID INT PRIMARY KEY, padlome VARCHAR (50) pertio INT, FORDICIN KEY (DEPTID) REFERENCES personnents Cooplad 9; ERENTE TABLE BILLS BILLED INT PRIMARY KEY, POUTD INT BINAmount DECIMAL (10,2), FOREIGH KEY (PatID) REFERENCES patiento (PatI)); CREATE TABLE Relovab (Referend INT PRIMARY KEY, Referring PalID INT, Referred Part ID INT FOR EION KEY (Referring Pat ID) REFERENCES patients (pat ID) 25 2 perculments: Dept Name Dept ID patients bert ID patlame patio Toble Bills parTD BillAmont BILLD References Referred Pat ID Referringed ID Resource ID

2. INSERT SAMPLE DATA

INSERT INTO perontmends VALUES
(101) (condiology), (102) oncology),
(103, 1 pediabrius);

	PA-	
DentID	DeptName	
101	coordislogy	
102	oncology	
1 03	Pediatrios	
1		

INSERT INTO Patients VALUES

C1, 'Alice', 101), C2, 'Bob', 102), C3, 'charlie', 101),

(3) 'charlie', 101), (43) (pavid, 103),

(5) Emma) 1048,

Pat ID	Por Name	pert ID	
1	Alice	[0]	
2	Boh	102	
3	Charlic	101	
4	Dowid	103	
**************************************	6mma	101	

INSERT JUTO BILLS VALUES

(1) 1, 5000.00), (2, 1, 300.00)

(312,7500.00), (413,6000.00);

Billip	Patio	BillAmous
•		5000.00
2		300.00
3	2	7500.00
1	13	6000.00

INSERT INTO RESERVED VALUES ر(وراراع (2,3,4)) Redovinged ID Restored Pat In 3. JOIN QUERIED (ALL TYPES) a, INNER JOIN query: SELECT P. Pat Name od . Dept Name Patients P FROM. JOIN bepartments of ON P. pert In 20 Dept In INNER output: peptlame Patlame Alice Cordiology Bob oncology Charlie Condistay David nediatri a Toll by DEFT quory: SEFECT p. Pallame, d. perthame patients P FROM LEFT JOIN DEPOSTMENTS on a pertined bent ID; Pat Name belt bamp Alice Bob oncology charlie Cardiology Davio Rediablica Emma NULL

c, Right JOIN: query. SELECT PROPRIET d. Depthema FROM Patients P JOIN Deportments of ON P. DeptID = of DeptID RIGHT outputi Parlame pertlame · condiplogy Alice Bob oncology danlie condiology David Pediarria d, FULL OUTER JOIN QUOTY: P. Peutlam e, d. pertlame SELECT Patients P FROM FULL OUTER JOIN DEPONTMENTS of DN 1. DEPTI 0=d Depting output: Dept Lamp pal Name condiology Alice oncology Bob charlie Condiology p ediatria paurd NULL Emma e, cross JOIN avery: SELECT p. pathame, d. Dept Name FROM patients P CROSS JOIN DEPOSTMENTS di output: TO

Pat-Wame	portlame	7
Alice	Cardiology	0.00
Alice	onday	
Alice	podiatra	
Bob	candiology	
Bo b	oncology	
Вов	pediaria	
Aralie	Cordiology	
darlie	onday	
charlie	pedianio	
pavid	Condistogy	
David	pediatris	
pau'd		
Emma	condiplay	9
£mma	onway	
Emma	padians	
		_
हैं) Self Joll!		1
query.	lhome As Pa	lient, P2 Rullame As
SELECT PI P	outhant Fro to	pullents2, PI. pert ID
FROM pali	ents DI	
JOIN Patient	D P2 ON P1.1	perf In = p2. pertip
WHERE PI.	patin (pz. pa	FID;
OUTPUT		
patient 1 9	Solion 2 Dep	n
Alice	charlie la	21

f. Equivalent guerro: JOHN US. SUBJULY wing JOIN SELECT P. Pat Name, d. pert Name FROM Patients b JOIN Departments of ON p. Dept ID= of DeptIn; using a subgreeny SELECT Parlame, CSELECT Derthame FROM Department of WHEKE d. pertID = p. DeptID) AS pertham FROM Patients p: output: porthome Deptomo Alice Cardiology Bob oncology charlie andiology David pedicaria 5. Recursive avery avery: WITH RECURSIVE REServatorain ASC SELECT Reserving Pat ID, Reserved Pat pet ennals FROM UNION SELECT M. Referring PadID, or C. Referred Rolling FROM Referrals n JOIN Referral chain sic ON of reffermed Pat SD = orc , orderin) Pato

SELECT OIC. Red owning Pal IO AS Initial Redevier, or C Red everd Pal IDAS Redevied Paliant,

PI. Pat Name AS Initial Reference Name Repaired Name AS

FROM Referralchoun 31c

JOHN Patients PI ON JIC-R efertingpat ID=PI. Pat ID

JOHN Patients P2 ON SIC. Reffered Rul JD=P2. Pat In;

anitical mother	nesonalpatient	Initial steferior	sclevied Patient Name
and duting the special record	3	Alica	Charlie
3	4	charlie	David
l	4	plica	pavil

EX NO.	8
PERFORMANCE (5)	A
RESULT AND ANALYSIS (5)	9
VIVA VOCE (5)	6
RECORD (5)	
10 TAL (20)	16
· MITH	0 3 9 m

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Result Thus the implementation of John Querics, earwalent amissies and steamisive amissies

rue executed successfully