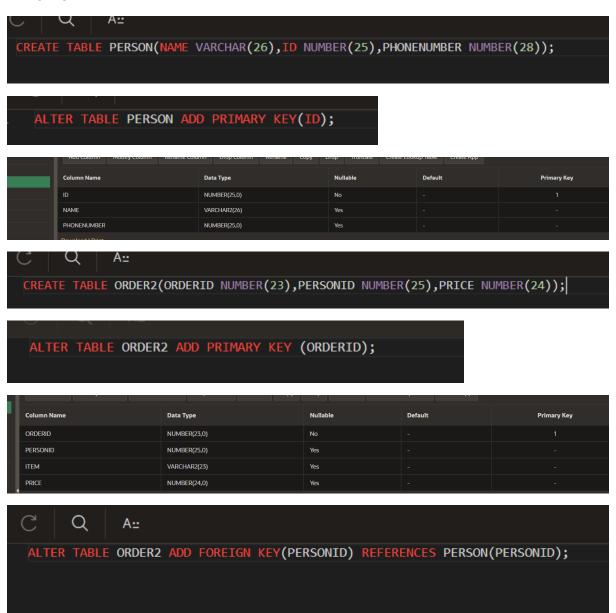
DBMS WORK



NEW ONE 31-07-24

```
CREATE TABLE EMPLOYEES1(EMPLOYEE_NAME VARCHAR(23),EMPLOYEE_ID NUMBER(25),DEPARTMENT VARCHAR(24));

INSERT INTO EMPLOYEES1 VALUES('SRIKANTH',455689,'CSE');

INSERT INTO EMPLOYEES1 VALUES('SRIDHAR',465433,'AI');

INSERT INTO EMPLOYEES1 VALUES('UDAY',2898975,'AIDS');

INSERT INTO EMPLOYEES1 VALUES('SRIPATHI',2565649,'AIML');

SELECT * FROM EMPLOYEES;
```

```
SELECT EMPLOYEE_NAME, CASE EMPLOYEE_ID

WHEN 455689 THEN 'CSE'

WHEN 465433 THEN 'AI'

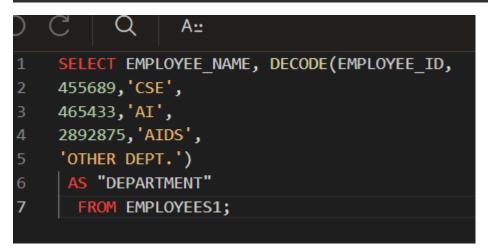
WHEN 2892875 THEN 'AIDS'

ELSE 'OTHER DEPT.'

END AS "DEPARTMENT"

FROM EMPLOYEES1;
```

SELECT EMPLOYEE_NAME, CASE EMPLOYEE_ID WHEN 455689 THEN 'CSE' WHEN 465433 THEN 'AI' WHEN 2892875 THEN 'AIDS'	ELSE 'OTHER DEPT.' END AS "DEPARTMENT" FROM EMPLOYEES1
EMPLOYEE_NAME	DEPARTMENT
SRIKANTH	CSE
SRIDHAR	Al
UDAY	OTHER DEPT.
SRIPATHI	OTHER DEPT.



SELECT EMPLOYEE_NAME, DECODE(EMPLOYEE_ID, 455689, 'CSE', 465433, 'AI', 2892875, 'AIDS', 'OTHER DEPT.') AS "DEPARTMENT" FROM EMPLOYEES1			
EMPLOYEE_NAME DEPARTMENT			
SRIKANTH			
SRIDHAR	Al		
UDAY	OTHER DEPT.		
SRIPATHI	OTHER DEPT.		

TO ADD VALUES IN GIVEN COLUMN



EDIT	EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	SALARY
ď	SRIKANTH	455689	CSE	10000
ď	SRIDHAR	465433	Al	25000
ď	UDAY	2898975	AIDS	5000
ď	SRIPATHI	2565649	AIML	6000



ELECT "FROM EMPLOYEES1 WHERE SALARY >2000				
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	SALARY	
SRIKANTH	455689		10000	
SRIDHAR	465433	Al	25000	
UDAY	2898975	AIDS	5000	
SRIPATHI	2565649	AIML	6000	

SELECT *FROM EMPLOYEES1 WHERE SALARY <20000;

ELECT *FROM EMPLOYEES1 WHERE SALARY <20000				
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	SALARY	
SRIKANTH	455689		10000	
UDAY	2898975	AIDS	5000	
SRIPATHI	2565649	AIML	6000	
3 rows selected. 0.00 seconds				

SELECT * FROM EMPLOYEES1 WHERE SALARY>2000 AND DEPARTMENT ='AIDS';

ELECT * FROM EMPLOYEES1 WHERE SALARY>2000 AND DEPARTMENT ='AIDS'				
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	SALARY	
UDAY	2898975	AIDS	5000	

SELECT * FROM EMPLOYEES1 WHERE DEPARTMENT='CSE'OR SALARY >9000;

SELECT * FROM EMPLOYEES1 WHERE DEPARTMENT='CSE'OR SALARY >9900				
EMPLOYEE_NAME EMPLOYEE_ID DEPARTMENT SALARY				
SRIKANTH	455689		10000	
SRIDHAR	465433	Al	25000	
2 rows selected. 0.01 seconds				

SELECT * FROM EMPLOYEES1 WHERE NOT DEPARTMENT='CSE';

SELECT * FROM EMPLOYEES1 WHERE NOT DEPARTMENT='CSE'				
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	SALARY	
SRIDHAR	465433		25000	
UDAY	2898975	AIDS	5000	
SRIPATHI	2565649	AIML.	6000	
3 rows selected. 0.01 seconds				

```
CREATE TABLE DEPARTMENT2(DEPARTMENT VARCHAR(23), DEPARTMENT_ID NUMBER(23)

INSERT INTO DEPARTMENT2 VALUES('CSE',95);

INSERT INTO DEPARTMENT2 VALUES('AI',96);

INSERT INTO DEPARTMENT2 VALUES('AIDS',100);

INSERT INTO DEPARTMENT2 VALUES('AIML',105);

SELECT * FROM DEPARTMENT2;
```

DEPARTMENT	DEPARTMENT_ID
CSE	95
Al	96
AIDS	100
AIML	105

TO JOIN THE TWO TABLES

-----NATURAL JOIN-----

SELECT EMPLOYEE_NAME, DEPARTMENT, DEPARTMENT_ID FROM EMPLOYEES1 NATURAL JOIN DEPARTMENT2 WHERE DEPARTMENT_ID>93;

SELECT EMPLOYEE_NAME, DEPARTMENT, DEPARTMENT_ID FROM EMPLOYEES1 NATURAL JOIN DEPARTMENTZ WHERE DEPARTMENT_ID>93				
EMPLOYEE_NAME	DEPARTMENT	DEPARTMENT_ID		
SRIKANTH				
SRIDHAR	Al	96		
UDAY	AIDS	100		
SRIPATHI	AIML	105		

------CROSS JOIN------

SELECT EMPLOYEE_NAME, EMPLOYEE_ID FROM EMPLOYEES1 CROSS JOIN DEPARTMENT2;

LECT EMPLOYEE_NAME,EMPLOYEE_ID FROM EMPLOYEES1 CROSS JOIN DEPARTMENT2			
EMPLOYEE_NAME	EMPLOYEE_ID		
SRIKANTH	455689		
SRIDHAR	465433		
UDAY	2898975		
SRIPATHI	2565649		

-----JOIN USING-----

SELECT EMPLOYEE_NAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING (DEPARTMENT) WHERE EMPLOYEE_ID=455689;

SELECT EMPLOYEE_NAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING(DEPARTMENT) WHERE EMPLOYEE_ID=455689					
EMPLOYEE_NAME EMPLOYEE_ID DEPARTMENT					
SRIKANTH	455689				
tatement processed. 0.01 seconds					

WITHOUT USING WHERE

SELECT EMPLOYEE_NAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING (DEPARTMENT);

SELECT EMPLOYEE_NAME, EMPLOYEE_ID, DEPARTMENT FROM EMPLOYEES1 JOIN DEPARTMENT2 USING(DEPARTMENT)			
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	
SRIKANTH	455689		
SRIDHAR	465433	Al	
UDAY	2898975	AIDS	
SRIPATHI	2565649	AIML	
4 rows selected, 0.01 seconds			

-----ON CLAUSE-----

SELECT EMPLOYEE_NAME, SALARY FROM EMPLOYEES1 E1 JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

SEIECT EMPLOYEE_NAME, SALARY FROM EMPLOYEES1 E1 JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT)

EMPLOYEE_NAME

SRIKANTH

SRIKANTH

JOOD

SRIDHAR

JOOD

SRIPATHI

A rows selected, 0.01 seconds

-----ON CLAUSE WITH WHERE CLAUSE-----

SELECT EMPLOYEE_NAME, SALARY FROM EMPLOYEES1 E1 JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT) WHERE EMPLOYEE_NAME LIKE '5%'			
EMPLOYEE_NAME	SALARY		
SRIKANTH	10000		
SRIDHAR	25000		
SRIPATHI	6000		
3 rows selected. 0.00 seconds			

------class------LEFT JOINING------

SELECT E1.EMPLOYEE_NAME, E1.EMPLOYEE_ID, E1.SALARY, D2.DEPARTMENT FROM EMPLOYEES1 E1 LEFT OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

CT ELEMPLOTEE_NAME,ELEMPLOTEE_ID,ELEMANT,DZ.	DEPARTMENT FROM EMPLOYEES1 E1 LEFT OUTER JOIN DEPARTMEN	112 DZ ON (E1.DEFARTHENT=DZ.DEFARTHENT	
EMPLOYEE_NAME	EMPLOYEE_ID	SALARY	DEPARTMENT
SRIKANTH	455689	10000	
SRIDHAR	465433	25000	
UDAY	2898975	5000	AIDS
SRIPATHI	2565649	6000	AIML

------RIGHT JOINING------

C Q A::

SELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT FROM EMPLOYEES1 E1 RIGHT OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

ELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT FROM EMPLOYEES1 E1 RIGHT OUTER DOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT)			
EMPLOYEE_NAME	EMPLOYEE_ID	SALARY	DEPARTMENT
SRIKANTH	455689	10000	
SRIDHAR	465433	25000	Al
UDAY	2898975	5000	AIDS
SRIPATHI	2565649	6000	AIML
4 rows selected, 0.00 seconds			

-----FULL OUTER JOIN-----

SELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT
FROM EMPLOYEES1 E1 FULL OUTER JOIN

DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT);

SELECT E1.EMPLOYEE_NAME,E1.EMPLOYEE_ID,E1.SALARY,D2.DEPARTMENT FROM EMPLOYEES1 E1 FULL OUTER JOIN DEPARTMENT2 D2 ON (E1.DEPARTMENT=D2.DEPARTMENT)			
EMPLOYEE_NAME	EMPLOYEE_ID	SALARY	DEPARTMENT
SRIKANTH	455689	10000	
SRIDHAR	465433	25000	Al
UDAY	2898975	5000	AIDS
SRIPATHI	2565649	6000	AIML

-----SELF JOIN-----

SELECT WORKER.EMPLOYEE_NAME || 'WORKS FOR '| MANAGER.DEPARTMENT

AS "WORKS FOR" FROM EMPLOYEES1 WORKER

DOIN EMPLOYEES1 MANAGER ON (WORKER.DEPARTMENT=MANAGER.DEPARTMENT);

```
SELECT WORKER.EMPLOYEE_NAME || "WORKS FOR " || MANAGER.DEPARTMENT AS "WORKS FOR" FROM EMPLOYEES! MORKER JOIN EMPLOYEES! MANAGER ON (WORKER.DEPARTMENT-MANAGER.DEPARTMENT)

WORKS FOR

SRIKANTH-WORKS FOR CSE

SRIDATH-WORKS FOR AI

UDAYWORKS FOR AIDS

SRIPATH-IWORKS FOR AIML
```

-----SAME TABLE-----

```
SELECT WORKER.EMPLOYEE_NAME || 'WORKS FOR '||MANAGER.EMPLOYEE_NAME

AS "WORKS FOR" FROM EMPLOYEES1 WORKER

JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME);
```

SELECT WORKER. EMPLOYEE_MAME || 'MORKS FOR ' || MANAGER. EMPLOYEE_MAME AS "WORKS FOR" FROM EMPLOYEESI MORKER DOIN EMPLOYEESI MANAGER ON (WORKER. EMPLOYEE_MAME. MANAGER. EMPLOYEE_MAME)

WORKS FOR

SRIKANTH-WORKS FOR SRIKANTH

SRIDHARWORKS FOR SRIKANTH

UDAYWORKS FOR UDAY

SRIPATH-WORKS FOR SRIPATH

SELF JOIN EXAMPLE-----

SELECT WORKER.EMPLOYEE_NAME, WORKER.EMPLOYEE_ID, MANAGER.DEPARTMENT

AS DEPARTMENT FROM EMPLOYEES1 WORKER

JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME);

SELECT WORKER.EMPLOYEE_NAME, WORKER.EMPLOYEE_ID,MANAGER.DEPARTMENT AS DEPARTMENT FROM EMPLOYEES1 WORKER JOIN EMPLOYEES1 MANAGER ON (WORKER.EMPLOYEE_NAME=MANAGER.EMPLOYEE_NAME)			
EMPLOYEE_NAME	EMPLOYEE_ID	DEPARTMENT	
SRIKANTH	455689	CSE	
SRIDHAR	465433	Al	
UDAY	2898975	AIDS	
SRIPATHI	2565649	AIML	