EXP NO: 07	Implementation of JOINS
DATA: 31/03/2022	in SQL

<u>Aim:</u> To practice all joins using emp and dept table simple joins self joins equ joins inner joins outer joins left & right union intersect minus set difference

Description about the problem:

- Create 2 different tables and enter values
- Select some rows only from the table of entered data
- Use Order by function
- Use all kind of join functions starting inner, outer, self-etc
- Joins where we add tables at left or right side of the table
- Union function and intersection too

Queries:

- create table employee(empno int primary key,na_me varchar(20),age int ,job_role varchar(20),id_no int)
- insert into employee values (10,'QWE',25,'clerk',6)
- create table office(officeno int primary key,id_no int,name_pr varchar(15),loc varchar(10),pincode int)
- insert into office values (01,03,'QQW','M',201)
- > SELECT employee.na_me AS EmployeeName, office.loc AS Location_, office.pincode

FROM employee, office

WHERE employee.id_no= office.id_no

> SELECT A.job_role, B.na_me,B.age

FROM employee A, employee B

WHERE A.job_role <> B.job_role

AND A.id_no = B.id_no

ORDER BY A.empno

- > select * from office
- > SELECT

employee.na_me,employee.AGE,employee.JOB_ROLE,office.LOC,offic e.PINCODE

FROM employee

INNER JOIN office ON employee.id_no=office.id_no

> SELECT

employee.
na_me,employee. AGE,employee. JOB_ROLE,
office. LOC,offic e.PINCODE

FROM employee

LEFT JOIN office ON employee.id_no=office.id_no

➤ SELECT EMPNO FROM employee INTERSECT SELECT OFFICENO FROM office

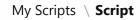
 SELECT id_no FROM employee UNION
 SELECT id_no FROM office ORDER BY id_no

Result:

Successfully practiced all joins using emp and dept table simple joins self joins equ joins inner joins outer joins left & right union intersect minus set difference





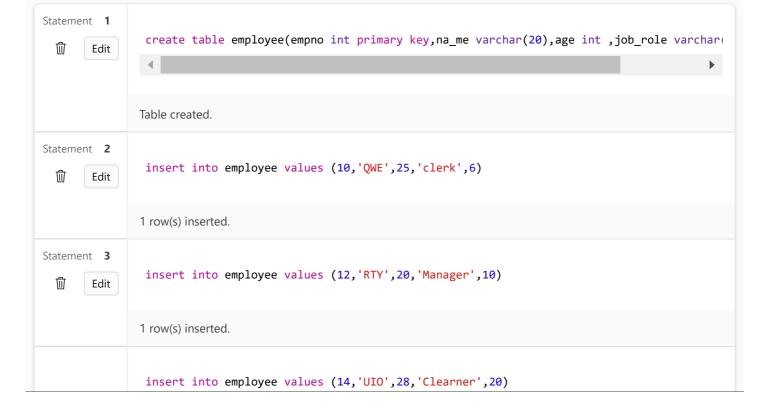


(i) Actions •

Edit Attributes



Name	Session 07 (JOINTS)
Description	DBMS Lab 7 Practice all joins using emp and dept tablesimple joins self joins equ joins inner joins outer joins left & right union intersect minus set difference
Area	-
Visibility	Publicly Shareable - available via unlisted URL
Contributor	RA1911027010007
Share Link	https://livesql.oracle.com/apex/livesql/s/na913nw9svt6b398ytru8wp7s
Tags	-
Script Results	Your script results are current. What's This?
Last Updated	Friday April 22, 2022 (Created 3 weeks ago)
Metrics	1 Executions, 34 Statements, 3,016 bytes













1 row(s) inserted.

Statement 15

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Edit

insert into office values (06,10,'YYU','X',256)

1 row(s) inserted.

Statement 16

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Edit

insert into office values (07,05,'UUI','Z',286)

1 row(s) inserted.

Statement 17

⑩

Edit

 ${\tt SELECT\ employee.na_me\ AS\ EmployeeName,\ office.loc\ AS\ Location_,\ office.pincode}$ ${\tt FROM\ employee,office}$

WHERE employee.id_no= office.id_no

EMPLOYEENAME	LOCATION_	PINCODE
RTY	X	256
QWE	В	222
LZX	В	222
QWE	С	295
LZX	С	295

Download CSV

5 rows selected.

Statement 18





SELECT employee.na_me AS EmployeeName, office.loc AS Location_, office.pincode FROM employee,office

WHERE employee.id_no= office.id_no

ORDER BY employee.empno

EMPLOYEENAME	LOCATION_	PINCODE
LZX	В	222
LZX	С	295
QWE	С	295
QWE	В	222
RTY	X	256

Download CSV

5 rows selected.

Statement 19



Edit

SELECT A.job_role, B.na_me,B.age
FROM employee A,employee B







JOB_ROLE	NA_ME	AGE
Coder	QWE	25
clerk	LZX	30

Download CSV

2 rows selected.

Statement 20

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SELECT A.empno, B.job_role,B.age
FROM employee A,employee B
WHERE A.job_role <> B.job_role
AND A.id_no = B.id_no
ORDER BY A.empno

ЕМРИО	JOB_ROLE	AGE
1	clerk	25
10	Coder	30

Download CSV

2 rows selected.

Statement 21





select * from employee

EMPNO	NA_ME	AGE	JOB_ROLE	ID_NO
16	PAS	24	HR	4
10	QWE	25	clerk	6
12	RTY	20	Manager	10
14	UIO	28	Clearner	20
20	НЈК	10	Sales	1
18	DFG	15	PR	9
1	LZX	30	Coder	6

Download CSV

7 rows selected.

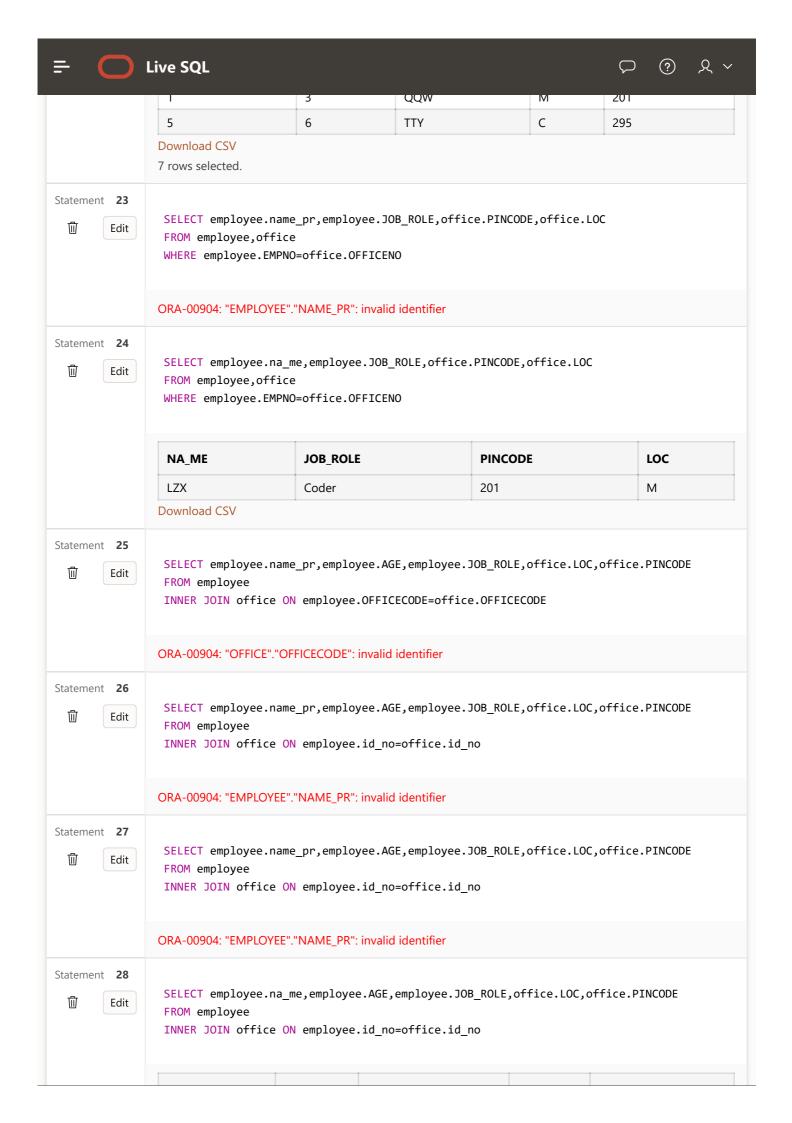
Statement 22





select * from office

OFFICENO	ID_NO	NAME_PR	LOC	PINCODE
6	10	YYU	X	256
2	3	WWE	N	212
3	6	EER	В	222





Live SQL







QWE	25	clerk	В	222	
LZX	30	Coder	В	222	
QWE	25	clerk	С	295	
LZX	30	Coder	С	295	

Download CSV

5 rows selected.

Statement 29





 ${\tt SELECT\ employee.NA_ME, employee.JOB_ROLE, office.PINCODE, office.LOC\ FROM\ employee}$

FULL OUTER JOIN office ON employee.id_no=office.id_no

NA_ME	JOB_ROLE	PINCODE	LOC
RTY	Manager	256	Х
-	-	212	N
QWE	clerk	222	В
LZX	Coder	222	В
-	-	218	V
-	-	286	Z
-	-	201	М
QWE	clerk	295	С
LZX	Coder	295	С
НЈК	Sales	-	-
PAS	HR	-	-
UIO	Clearner	-	-
DFG	PR	-	-

Download CSV

13 rows selected.

Statement **30**





SELECT employee.na_me,employee.AGE,employee.JOB_ROLE,office.LOC,office.PINCODE FROM employee

LEFT JOIN office ON employee.id_no=office.id_no

NA_ME	AGE	JOB_ROLE	LOC	PINCODE
RTY	20	Manager	Х	256
QWE	25	clerk	В	222
LZX	30	Coder	В	222
QWE	25	clerk	С	295
LZX	30	Coder	С	295
HJK	10	Sales	-	-
PAS	24	HR	-	-







Download CSV

9 rows selected.

Statement 31





SELECT employee.na_me,employee.JOB_ROLE,office.PINCODE,office.LOC FROM employee

LEFT JOIN office ON employee.id_no=office.id_no

NA_ME	JOB_ROLE	PINCODE	LOC
RTY	Manager	256	X
QWE	clerk	222	В
LZX	Coder	222	В
QWE	clerk	295	С
LZX	Coder	295	С
НЈК	Sales	-	-
PAS	HR	-	-
UIO	Clearner	-	-
DFG	PR	-	-

Download CSV

9 rows selected.

Statement 32





SELECT id_no FROM employee

UNION

SELECT id_no FROM office

ORDER BY id_no

ID_NO

1

3

4

5

6

9

10

20

Download CSV

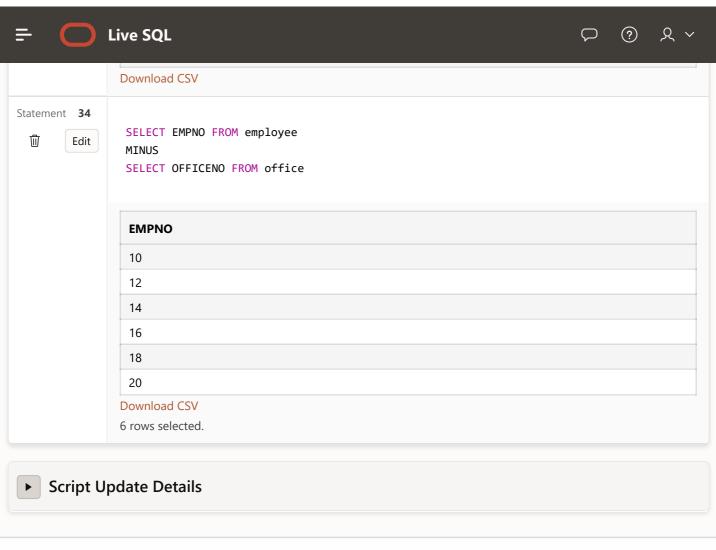
8 rows selected.

Statement 33





SELECT EMPNO FROM employee **INTERSECT** SELECT OFFICENO FROM office



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