

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

Aim: 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,office.PINCODE
FROM employee
INNER JOIN office ON employee.id_no=office.id_no

- 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
- 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

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Actions ▾



Edit Attributes



Run Script

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	<div>Your script results are current.</div> What's This?
Last Updated	Friday April 22, 2022 (Created 3 weeks ago)
Metrics	1 Executions, 34 Statements, 3,016 bytes

Statement 1



Edit

```
create table employee(empno int primary key,na_me varchar(20),age int ,job_role varchar(20))
```



Table created.

Statement 2



Edit

```
insert into employee values (10,'QWE',25,'clerk',6)
```

1 row(s) inserted.

Statement 3



Edit

```
insert into employee values (12,'RTY',20,'Manager',10)
```

1 row(s) inserted.

```
insert into employee values (14,'UIO',28,'Cleaner',20)
```



Statement 5



Edit

```
insert into employee values (16,'PAS',24,'HR',4)
```

1 row(s) inserted.

Statement 6



Edit

```
insert into employee values (18,'DFG',15,'PR',9)
```

1 row(s) inserted.

Statement 7



Edit

```
insert into employee values (20,'HJK',10,'Sales',1)
```

1 row(s) inserted.

Statement 8



Edit

```
insert into employee values (01,'LZX',30,'Coder',6)
```

1 row(s) inserted.

Statement 9



Edit

```
create table office(officeno int primary key,id_no int,name_pr varchar(15),loc varchar(15))
```

Table created.

Statement 10



Edit

```
insert into office values (01,03,'QQW','M',201)
```

1 row(s) inserted.

Statement 11



Edit

```
insert into office values (02,03,'WWE','N',212)
```

1 row(s) inserted.

Statement 12



Edit

```
insert into office values (03,06,'EER','B',222)
```

1 row(s) inserted.

Statement 13



Edit

```
insert into office values (04,05,'RRT','V',218)
```

1 row(s) inserted.



1 row(s) inserted.

Statement 15



Edit

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

1 row(s) inserted.

Statement 16



Edit

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

1 row(s) inserted.

Statement 17



Edit

```
SELECT employee.na_me AS EmployeeName, office.loc AS Location_, office.pincod
FROM employee,office
WHERE employee.id_no= office.id_no
```

EMPLOYEENAME	LOCATION_	PINCODE
RTY	X	256
QWE	B	222
LZX	B	222
QWE	C	295
LZX	C	295

[Download CSV](#)

5 rows selected.

Statement 18



Edit

```
SELECT employee.na_me AS EmployeeName, office.loc AS Location_, office.pincod
FROM employee,office
WHERE employee.id_no= office.id_no
ORDER BY employee.empno
```

EMPLOYEENAME	LOCATION_	PINCODE
LZX	B	222
LZX	C	295
QWE	C	295
QWE	B	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



Edit

```
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
```

EMPNO	JOB_ROLE	AGE
1	clerk	25
10	Coder	30

[Download CSV](#)

2 rows selected.

Statement 21



Edit

```
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	Cleaner	20
20	HJK	10	Sales	1
18	DFG	15	PR	9
1	LZX	30	Coder	6

[Download CSV](#)

7 rows selected.

Statement 22



Edit

```
select * from office
```

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



1	3	QQW	M	201
5	6	TTY	C	295

[Download CSV](#)

7 rows selected.

Statement 23



Edit

```
SELECT employee.name_pr,employee.JOB_ROLE,office.PINCODE,office.LOC
FROM employee,office
WHERE employee.EMPNO=office.OFFICENO
```

ORA-00904: "EMPLOYEE"."NAME_PR": invalid identifier

Statement 24



Edit

```
SELECT employee.na_me,employee.JOB_ROLE,office.PINCODE,office.LOC
FROM employee,office
WHERE employee.EMPNO=office.OFFICENO
```

NA_ME	JOB_ROLE	PINCODE	LOC
LZX	Coder	201	M

[Download CSV](#)

Statement 25



Edit

```
SELECT employee.name_pr,employee.AGE,employee.JOB_ROLE,office.LOC,office.PINCODE
FROM employee
INNER JOIN office ON employee.OFFICECODE=office.OFFICECODE
```

ORA-00904: "OFFICE"."OFFICECODE": invalid identifier

Statement 26



Edit

```
SELECT employee.name_pr,employee.AGE,employee.JOB_ROLE,office.LOC,office.PINCODE
FROM employee
INNER JOIN office ON employee.id_no=office.id_no
```

ORA-00904: "EMPLOYEE"."NAME_PR": invalid identifier

Statement 27



Edit

```
SELECT employee.name_pr,employee.AGE,employee.JOB_ROLE,office.LOC,office.PINCODE
FROM employee
INNER JOIN office ON employee.id_no=office.id_no
```

ORA-00904: "EMPLOYEE"."NAME_PR": invalid identifier

Statement 28



Edit

```
SELECT employee.na_me,employee.AGE,employee.JOB_ROLE,office.LOC,office.PINCODE
FROM employee
INNER JOIN office ON employee.id_no=office.id_no
```



QWE	25	clerk	B	222
LZX	30	Coder	B	222
QWE	25	clerk	C	295
LZX	30	Coder	C	295

[Download CSV](#)

5 rows selected.

Statement 29



Edit

```
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	X
-	-	212	N
QWE	clerk	222	B
LZX	Coder	222	B
-	-	218	V
-	-	286	Z
-	-	201	M
QWE	clerk	295	C
LZX	Coder	295	C
HJK	Sales	-	-
PAS	HR	-	-
UIO	Cleaner	-	-
DFG	PR	-	-

[Download CSV](#)

13 rows selected.

Statement 30



Edit

```
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	X	256
QWE	25	clerk	B	222
LZX	30	Coder	B	222
QWE	25	clerk	C	295
LZX	30	Coder	C	295
HJK	10	Sales	-	-
PAS	24	HR	-	-

[Download CSV](#)

9 rows selected.

Statement 31



Edit

```
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	B
LZX	Coder	222	B
QWE	clerk	295	C
LZX	Coder	295	C
HJK	Sales	-	-
PAS	HR	-	-
UIO	Cleaner	-	-
DFG	PR	-	-

[Download CSV](#)

9 rows selected.

Statement 32



Edit

```
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



Edit

```
SELECT EMPNO FROM employee
INTERSECT
SELECT OFFICENO FROM office
```



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Statement **34**



Edit

```
SELECT EMPNO FROM employee
MINUS
SELECT OFFICENO FROM office
```

EMPNO

10

12

14

16

18

20

Download CSV

6 rows selected.



Script Update Details

