

## Spool File For Oracle Students Trained By Mr. Balram

---

```
SQL> SELECT
  2  EMPNO "ID NUMBER",
  3  ENAME NAME,
  4  SAL "Basic Salary",
  5  JOB DESIGNATION,
  6  DEPTNO
  7  FROM EMP;
```

ID NUMBER	NAME	Basic Salary	DESIGNATI	DEPTNO
7839	KING	5000	PRESIDENT	10
7698	BLAKE	2850	MANAGER	30
7782	CLARK	2450	MANAGER	10
7566	JONES	2975	MANAGER	20
7654	MARTIN	1250	SALESMAN	30
7499	ALLEN	1600	SALESMAN	30
7844	TURNER	1500	SALESMAN	30
7900	JAMES	950	CLERK	30
7521	WARD	1250	SALESMAN	30
7902	FORD	3000	ANALYST	20
7369	SMITH	800	CLERK	20

ID NUMBER	NAME	Basic Salary	DESIGNATI	DEPTNO
7788	SCOTT	3000	ANALYST	20
7876	ADAMS	1100	CLERK	20
7934	MILLER	1300	CLERK	10

14 rows selected.

```
SQL> CREATE OR REPLACE VIEW EMPLOYEES
  2  AS
  3  SELECT
  4  EMPNO "ID NUMBER",
  5  ENAME NAME,
  6  SAL "Basic Salary",
  7  JOB DESIGNATION,
  8  DEPTNO
  9  FROM EMP;
```

```
CREATE OR REPLACE VIEW EMPLOYEES
*
```

```
ERROR at line 1:
ORA-01031: insufficient privileges
```

```
SQL> CONN SYS AS SYSDBA
```

Connected.

```
SQL> GRANT CREATE ANY VIEW TO SCOTT;
```

Grant succeeded.

```
SQL> CONN SCOTT/tiger
```

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---

Connected.

```
SQL> CREATE OR REPLACE VIEW EMPLOYEES
2 AS
3 SELECT
4 EMPNO "ID NUMBER",
5 ENAME NAME,
6 SAL "Basic Salary",
7 JOB DESIGNATION,
8 DEPTNO
9 FROM EMP;
```

View created.

```
SQL> DESC Employess;
ERROR:
ORA-04043: object Employess does not exist
```

```
SQL> DESC Employees;
```

Name	Null?	Type
ID NUMBER	NOT NULL	NUMBER (4)
NAME		VARCHAR2 (10)
Basic Salary		NUMBER (7,2)
DESIGNATION		VARCHAR2 (9)
DEPTNO		NUMBER (2)

```
SQL> SELECT * FROM Employees;
```

ID NUMBER	NAME	Basic Salary	DESIGNATI	DEPTNO
7839	KING	5000	PRESIDENT	10
7698	BLAKE	2850	MANAGER	30
7782	CLARK	2450	MANAGER	10
7566	JONES	2975	MANAGER	20
7654	MARTIN	1250	SALESMAN	30
7499	ALLEN	1600	SALESMAN	30
7844	TURNER	1500	SALESMAN	30
7900	JAMES	950	CLERK	30
7521	WARD	1250	SALESMAN	30
7902	FORD	3000	ANALYST	20
7369	SMITH	800	CLERK	20

  

ID NUMBER	NAME	Basic Salary	DESIGNATI	DEPTNO
7788	SCOTT	3000	ANALYST	20
7876	ADAMS	1100	CLERK	20
7934	MILLER	1300	CLERK	10

14 rows selected.

```
SQL> SELECT Name, Designation
```

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---

```
2 FROM Employees;
```

NAME	DESIGNATI
KING	PRESIDENT
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER
MARTIN	SALESMAN
ALLEN	SALESMAN
TURNER	SALESMAN
JAMES	CLERK
WARD	SALESMAN
FORD	ANALYST
SMITH	CLERK

NAME	DESIGNATI
SCOTT	ANALYST
ADAMS	CLERK
MILLER	CLERK

14 rows selected.

```
SQL> SELECT Name, Designation
2 FROM Employees
3 WHERE Designation = 'MANAGER';
```

NAME	DESIGNATI
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER

```
SQL> SELECT Name, Designation
2 FROM Employees
3 WHERE Job = 'CLERK';
WHERE Job = 'CLERK'
*
```

ERROR at line 3:  
ORA-00904: "JOB": invalid identifier

```
SQL> SELECT Name, Designation
2 FROM Employees
3 WHERE Basic Salary > 1600;
WHERE Basic Salary > 1600
*
```

ERROR at line 3:  
ORA-00920: invalid relational operator

```
SQL> SELECT Name, Designation
```

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---

```
2 FROM Employees
3 WHERE "Basic Salary" > 1600;
```

NAME	DESIGNATI
KING	PRESIDENT
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER
FORD	ANALYST
SCOTT	ANALYST

6 rows selected.

```
SQL> CREATE OR REPLACE VIEW EMPINFO
2 AS
3 SELECT
4 E.Empno EmployeeID,
5 E.Ename Name,
6 D.Deptno DepartmentID,
7 D.Dname DepartmentName
8 FROM Emp E ,Dept D
9 WHERE D.Deptno = E.deptno
10 ORDER BY D.Deptno;
```

View created.

```
SQL> SELECT
2 E.Empno EmployeeID,
3 E.Ename Name,
4 D.Deptno DepartmentID,
5 D.Dname DepartmentName
6 FROM Emp E ,Dept D
7 WHERE D.Deptno = E.deptno
8 ORDER BY D.Deptno;
```

EMPLOYEEID	NAME	DEPARTMENTID	DEPARTMENTNAME
7839	KING	10	ACCOUNTING
7782	CLARK	10	ACCOUNTING
7934	MILLER	10	ACCOUNTING
7876	ADAMS	20	RESEARCH
7788	SCOTT	20	RESEARCH
7369	SMITH	20	RESEARCH
7902	FORD	20	RESEARCH
7566	JONES	20	RESEARCH
7521	WARD	30	SALES
7900	JAMES	30	SALES
7499	ALLEN	30	SALES

EMPLOYEEID	NAME	DEPARTMENTID	DEPARTMENTNAME
7654	MARTIN	30	SALES

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---

```
7698 BLAKE          30 SALES
7844 TURNER         30 SALES
```

14 rows selected.

SQL> DESC EmpInfo;

Name	Null?	Type
EMPLOYEEID	NOT NULL	NUMBER(4)
NAME		VARCHAR2(10)
DEPARTMENTID	NOT NULL	NUMBER(2)
DEPARTMENTNAME		VARCHAR2(14)

SQL> SELECT \* FROM EmpInfo;

EMPLOYEEID	NAME	DEPARTMENTID	DEPARTMENTNAME
7839	KING	10	ACCOUNTING
7782	CLARK	10	ACCOUNTING
7934	MILLER	10	ACCOUNTING
7876	ADAMS	20	RESEARCH
7788	SCOTT	20	RESEARCH
7369	SMITH	20	RESEARCH
7902	FORD	20	RESEARCH
7566	JONES	20	RESEARCH
7521	WARD	30	SALES
7900	JAMES	30	SALES
7499	ALLEN	30	SALES

EMPLOYEEID	NAME	DEPARTMENTID	DEPARTMENTNAME
7654	MARTIN	30	SALES
7698	BLAKE	30	SALES
7844	TURNER	30	SALES

14 rows selected.

SQL> SELECT \* FROM EmpInfo  
2 WHERE DepartmentID = 30;

EMPLOYEEID	NAME	DEPARTMENTID	DEPARTMENTNAME
7698	BLAKE	30	SALES
7654	MARTIN	30	SALES
7499	ALLEN	30	SALES
7844	TURNER	30	SALES
7900	JAMES	30	SALES
7521	WARD	30	SALES

6 rows selected.

SQL> CREATE OR REPLACE VIEW EmpGrades

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---

```
2 AS
3 SELECT
4 E.Ename Name,
5 E.Sal Basic,
6 S.Grade Grade
7 FROM Emp E, Salgrade S
8 WHERE E.Sal BETWEEN S.Losal AND S.Hisal
9 ORDER BY S.Grade;
```

View created.

```
SQL> DESC EmpGrades;
```

Name	Null?	Type
NAME		VARCHAR2(10)
BASIC		NUMBER(7,2)
GRADE		NUMBER

```
SQL> SELECT * FROM EmpGrades;
```

NAME	BASIC	GRADE
SMITH	800	1
JAMES	950	1
ADAMS	1100	1
WARD	1250	2
MARTIN	1250	2
MILLER	1300	2
TURNER	1500	3
ALLEN	1600	3
CLARK	2450	4
BLAKE	2850	4
JONES	2975	4

NAME	BASIC	GRADE
FORD	3000	4
SCOTT	3000	4
KING	5000	5

14 rows selected.

```
SQL> SELECT * FROM EmpGrades
2 WHERE GRADE = 5;
```

NAME	BASIC	GRADE
KING	5000	5

```
SQL> SELECT * FROM EmpGrades
2 WHERE GRADE = 2;
```

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---

NAME	BASIC	GRADE
MARTIN	1250	2
WARD	1250	2
MILLER	1300	2

```
SQL> CREATE OR REPLACE VIEW EmpManagers
  2 AS
  3 SELECT
  4 ROWNUM SerialNO,
  5 INITCAP(E.Ename) || ' Works Under ' || M.Ename "Employees Aand Managers"
  6 FROM Emp E, Emp M
  7 WHERE E.MGR =M.Empno;
```

View created.

```
SQL> DESC EmpManagers;
```

Name	Null?	Type
SERIALNO		NUMBER
Employees Aand Managers		VARCHAR2 (33)

```
SQL> SELECT * FROM EmpManagers;
```

SERIALNO	Employees Aand Managers
1	Scott Works Under JONES
2	Ford Works Under JONES
3	James Works Under BLAKE
4	Ward Works Under BLAKE
5	Turner Works Under BLAKE
6	Allen Works Under BLAKE
7	Martin Works Under BLAKE
8	Miller Works Under CLARK
9	Adams Works Under SCOTT
10	Blake Works Under KING
11	Clark Works Under KING
12	Jones Works Under KING
13	Smith Works Under FORD

13 rows selected.

```
SQL> CREATE OR REPLACE VIEW EmpAccounts
  2 AS
  3 SELECT
  4 Ename,
  5 Deptno,
  6 Sal Monthly,
  7 Sal * 12 Annual
```

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---

```
8 FROM Emp
9 WHERE Deptno =
10 (
11 SELECT
12 Deptno
13 FROM Dept
14 WHERE Dname = 'ACCOUNTING'
15 )
16 ORDER BY Annual;
```

View created.

```
SQL> SELECT * FROM EmpAccounts;
```

ENAME	DEPTNO	MONTHLY	ANNUAL
MILLER	10	1300	15600
CLARK	10	2450	29400
KING	10	5000	60000

```
SQL> CREATE OR REPLACE VIEW OrgDesignations
2 AS
3 SELECT
4 Job
5 FROM Emp
6 WHERE Deptno = 10
7 UNION
8 SELECT
9 Job
10 FROM Emp
11 WHERE Deptno IN(20, 30);
```

View created.

```
SQL> DESC OrgDesignations;
```

Name	Null?	Type
JOB		VARCHAR2 (9)

```
SQL> SELECT * FROM OrgDesignations;
```

```
JOB
-----
ANALYST
CLERK
MANAGER
PRESIDENT
SALESMAN
```

```
SQL> DESC TAB;
```

Name	Null?	Type
------	-------	------



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```
-----
TNAME                                NOT NULL VARCHAR2(30)
TABTYPE                              VARCHAR2(7)
CLUSTERID                            NUMBER
```

```
SQL> SELECT TNAME, TABTYPE
2   FROM TAB
3  WHERE TABTYPE = 'VIEW';
```

```
-----
TNAME                                TABTYPE
-----
ORGDESIGNATIONS                      VIEW
EMPMANAGERS                          VIEW
EMPLOYEES                            VIEW
EMPINFO                              VIEW
EMPGRADES                            VIEW
EMPACCOUNTS                          VIEW
```

6 rows selected.

```
SQL> DESC USER_OBJECTS;
Name
```

```
-----
Null?      Type
-----
OBJECT_NAME          VARCHAR2(128)
SUBOBJECT_NAME        VARCHAR2(30)
OBJECT_ID             NUMBER
DATA_OBJECT_ID        NUMBER
OBJECT_TYPE           VARCHAR2(19)
CREATED              DATE
LAST_DDL_TIME         DATE
TIMESTAMP             VARCHAR2(19)
STATUS                VARCHAR2(7)
TEMPORARY              VARCHAR2(1)
GENERATED              VARCHAR2(1)
SECONDARY              VARCHAR2(1)
NAMESPACE             NUMBER
EDITION_NAME          VARCHAR2(30)
```

```
SQL> COL ObjName FOR A15
```

```
SQL> COL ObjType FOR A10
```

```
SQL> SELECT OBJECT_NAME ObjName, OBJECT_TYPE ObjType
2   FROM USER_OBJECTS
3  WHERE OBJECT_TYPE = 'VIEW';
```

```
-----
OBJNAME      OBJTYPE
-----
EMPACCOUNTS  VIEW
EMPGRADES    VIEW
EMPINFO      VIEW
EMPLOYEES    VIEW
EMPMANAGERS  VIEW
```

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---

ORGDESIGNATIONS VIEW

6 rows selected.

SQL> DESC USER\_VIEWS;

Name	Null?	Type
VIEW_NAME	NOT NULL	VARCHAR2(30)
TEXT_LENGTH		NUMBER
TEXT		LONG
TYPE_TEXT_LENGTH		NUMBER
TYPE_TEXT		VARCHAR2(4000)
OID_TEXT_LENGTH		NUMBER
OID_TEXT		VARCHAR2(4000)
VIEW_TYPE_OWNER		VARCHAR2(30)
VIEW_TYPE		VARCHAR2(30)
SUPERVIEW_NAME		VARCHAR2(30)
EDITIONING_VIEW		VARCHAR2(1)
READ_ONLY		VARCHAR2(1)

SQL> COL VIEW\_NAME FOR A10

SQL> COL TEXT FOR A30

SQL> SELECT VIEW\_NAME,TEXT  
2 FROM USER\_VIEWS  
3 WHERE VIEW\_NAME='EMPINFO';

VIEW_NAME	TEXT
EMPINFO	SELECT E.Empno EmployeeID, E.Ename Name, D.Deptno DepartmentID, D.Dname Departm

SQL> SET LONG 200

SQL> R

1 SELECT VIEW\_NAME,TEXT  
2 FROM USER\_VIEWS  
3\* WHERE VIEW\_NAME='EMPINFO'

VIEW_NAME	TEXT
EMPINFO	SELECT E.Empno EmployeeID, E.Ename Name, D.Deptno DepartmentID, D.Dname DepartmentName FROM Emp E ,Dept D WHERE D.Deptno = E.deptno ORDER BY D.Deptno

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---

```
SQL> CREATE OR REPLACE VIEW DeptsalSummary
  2 AS
  3 SELECT
  4   D.Dname,
  5   MIN(E.Sal),
  6   MAX(E.Sal),
  7   AVG(E.Sal),
  8   SUM(E.Sal)
  9 FROM Emp E, Dept D
 10 WHERE E.Deptno =D.Deptno
 11 GROUP BY D.Dname;
MIN(E.Sal),
*
```

ERROR at line 5:

ORA-00998: must name this expression with a column alias

```
SQL> CREATE OR REPLACE VIEW DeptsalSummary
  2 AS
  3 SELECT
  4   D.Dname DepartmentName,
  5   MIN(E.Sal) MinimumSalary,
  6   MAX(E.Sal) MaxSalary,
  7   AVG(E.Sal) AverageSalary,
  8   SUM(E.Sal) SalarySum
  9 FROM Emp E, Dept D
 10 WHERE E.Deptno =D.Deptno
 11 GROUP BY D.Dname;
```

View created.

```
SQL> DESC DeptSalSummary;
```

Name	Null?	Type
DEPARTMENTNAME		VARCHAR2 (14)
MINIMUMSALARY		NUMBER
MAXSALARY		NUMBER
AVERAGESALARY		NUMBER
SALARYSUM		NUMBER

```
SQL> CREATE OR REPLACE VIEW DeptsalSummary
  2 (
  3   DepartmentName,
  4   MinimumSalary,
  5   MaxSalary,
  6   AverageSalary,
  7   SalarySum
  8 )
  9 AS
 10 SELECT
```

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---

```
11 D.Dname,
12 MIN(E.Sal),
13 MAX(E.Sal),
14 AVG(E.Sal),
15 SUM(E.Sal)
16 FROM Emp E, Dept D
17 WHERE E.Deptno =D.Deptno
18 GROUP BY D.Dname;
```

View created.

```
SQL> SELECT * FROM DeptsalSummary;
```

DEPARTMENTNAME	MINIMUMSALARY	MAXSALARY	AVERAGESALARY	SALARYSUM
ACCOUNTING	1300	5000	2916.66667	8750
RESEARCH	800	3000	2175	10875
SALES	950	2850	1566.66667	9400

```
SQL> CREATE OR REPLACE VIEW EMPLOYEES
```

```
2 AS
3 SELECT
4 ENAME,
5 DEPTNO,
6 SAL,
7 COMM,
8 SAL + NVL(COMM,0)
9 FROM EMP;
SAL + NVL(COMM,0)
*
```

ERROR at line 8:

ORA-00998: must name this expression with a column alias

```
SQL> CREATE OR REPLACE VIEW
```

```
2 Employees
3 (
4 EmpName,
5 DeptID,
6 BasicSal,
7 Commission,
8 Gross
9 )
10 AS
11 SELECT
12 ENAME,
13 DEPTNO,
14 SAL,
15 COMM,
16 SAL+NVL(COMM,0)
17 FROM EMP;
```

View created.

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---

SQL> Desc Employees;

Name	Null?	Type
EMPNAME		VARCHAR2(10)
DEPTID		NUMBER(2)
BASICSAL		NUMBER(7,2)
COMMISSION		NUMBER(7,2)
GROSS		NUMBER

SQL> SELECT \* FROM Employees;

EMPNAME	DEPTID	BASICSAL	COMMISSION	GROSS
KING	10	5000		5000
BLAKE	30	2850		2850
CLARK	10	2450		2450
JONES	20	2975		2975
MARTIN	30	1250	1400	2650
ALLEN	30	1600	300	1900
TURNER	30	1500	0	1500
JAMES	30	950		950
WARD	30	1250	500	1750
FORD	20	3000		3000
SMITH	20	800		800

EMPNAME	DEPTID	BASICSAL	COMMISSION	GROSS
SCOTT	20	3000		3000
ADAMS	20	1100		1100
MILLER	10	1300		1300

14 rows selected.

SQL> -- Creating On-The Fly Tables Using Views --

SQL> SELECT \*  
 2 FROM EMP  
 3 WHERE DEPTNO=10;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

SQL> CREATE OR REPLACE VIEW INSERTDEPT10

2 AS  
 3 SELECT \*  
 4 FROM EMP  
 5 WHERE DEPTNO=10;

View created.

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---

SQL> DESC INSERTDEPT10;

Name	Null?	Type
EMPNO	NOT NULL	NUMBER(4)
ENAME		VARCHAR2(10)
JOB		VARCHAR2(9)
MGR		NUMBER(4)
HIREDATE		DATE
SAL		NUMBER(7,2)
COMM		NUMBER(7,2)
DEPTNO		NUMBER(2)

SQL> SELECT \* FROM INSERTDEPT10;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

SQL> CREATE TABLE Dept10 --On-The-Fly Table  
2 AS  
3 SELECT \* FROM INSERTDEPT10;

Table created.

SQL> SELECT \* FROM Dept10;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

SQL> CREATE OR REPLACE VIEW EmpgradeIns  
2 AS  
3 SELECT  
4 Ename,  
5 Job,  
6 Sal,  
7 Grade  
8 FROM Emp E, Salgrade S  
9 WHERE E.Sal BETWEEN S.Losal AND S.Hisal;

View created.

SQL> CREATE TABLE Empgrades01 --On-The-Fly Table  
2 (  
3 Employee,  
4 Designation,  
5 Basicsalary,

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---

```
6  Grade
7  )
8  AS
9  SELECT * FROM Empgradeins;
```

Table created.

```
SQL> SELECT * FROM Empgrades01;
```

EMPLOYEE	DESIGNATI	BASICSALARY	GRADE
SMITH	CLERK	800	1
JAMES	CLERK	950	1
ADAMS	CLERK	1100	1
WARD	SALESMAN	1250	2
MARTIN	SALESMAN	1250	2
MILLER	CLERK	1300	2
TURNER	SALESMAN	1500	3
ALLEN	SALESMAN	1600	3
CLARK	MANAGER	2450	4
BLAKE	MANAGER	2850	4
JONES	MANAGER	2975	4

EMPLOYEE	DESIGNATI	BASICSALARY	GRADE
FORD	ANALYST	3000	4
SCOTT	ANALYST	3000	4
KING	PRESIDENT	5000	5

14 rows selected.

```
SQL> DROP VIEW Empgradeins;
```

View dropped.

```
SQL> SELECT * FROM Empgrades01;
```

EMPLOYEE	DESIGNATI	BASICSALARY	GRADE
SMITH	CLERK	800	
JAMES	CLERK	950	
ADAMS	CLERK	1100	
WARD	SALESMAN	1250	
MARTIN	SALESMAN	1250	
MILLER	CLERK	1300	
TURNER	SALESMAN	1500	
ALLEN	SALESMAN	1600	
CLARK	MANAGER	2450	
BLAKE	MANAGER	2850	
JONES	MANAGER	2975	

EMPLOYEE	DESIGNATI	BASICSALARY	GRADE
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---

FORD	ANALYST	3000	4
SCOTT	ANALYST	3000	4
KING	PRESIDENT	5000	5

14 rows selected.

```
SQL> SELECT
  2  E1.ENAME,
  3  E1.SAL,
  4  E1.DEPTNO,
  5  E2.MAXSAL
  6  FROM EMP E1,
  7  (
  8  SELECT
  9  DEPTNO,
 10  MAX(SAL) MAXSAL
 11  FROM EMP
 12  GROUP BY DEPTNO
 13  ) E2
 14  WHERE E1.DEPTNO=E2.DEPTNO
 15  AND E1.SAL<E2.MAXSAL;
```

ENAME	SAL	DEPTNO	MAXSAL
CLARK	2450	10	5000
JONES	2975	20	3000
MARTIN	1250	30	2850
ALLEN	1600	30	2850
TURNER	1500	30	2850
JAMES	950	30	2850
WARD	1250	30	2850
SMITH	800	20	3000
ADAMS	1100	20	3000
MILLER	1300	10	5000

10 rows selected.

```
SQL> CREATE OR REPLACE VIEW EMPLOYEESDET
  2  AS
  3  SELECT
  4  E1.ENAME,
  5  E1.SAL,
  6  E1.DEPTNO,
  7  E2.MAXSAL
  8  FROM EMP E1,
  9  (
 10  SELECT
 11  DEPTNO,
 12  MAX(SAL) MAXSAL
 13  FROM EMP
 14  GROUP BY DEPTNO
 15  ) E2
```



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---

```
16 WHERE E1.DEPTNO=E2.DEPTNO
17 AND E1.SAL<E2.MAXSAL;
```

View created.

```
SQL> DESC EMPLOYEESDET;
```

Name	Null?
------	-------

Type

```
-----
ENAME
VARCHAR2 (10)
SAL
NUMBER (7,2)
DEPTNO
NUMBER (2)
MAXSAL
NUMBER
```

```
SQL> SELECT * FROM EMPLOYEESDET;
```

ENAME	SAL	DEPTNO	MAXSAL
CLARK	2450	10	5000
JONES	2975	20	3000
MARTIN	1250	30	2850
ALLEN	1600	30	2850
TURNER	1500	30	2850
JAMES	950	30	2850
WARD	1250	30	2850
SMITH	800	20	3000
ADAMS	1100	20	3000
MILLER	1300	10	5000

10 rows selected.

```
SQL> SPOOL OFF
```