

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

```
SQL> SELECT
  2   Empno "ID Number",
  3   Ename Name,
  4   Sal "Basic Salary",
  5   Job Designation
  6 FROM Emp;
```

ID Number	NAME	Basic Salary	DESIGNATI
7839	KING	5000	PRESIDENT
7698	BLAKE	2850	MANAGER
7782	CLARK	2450	MANAGER
7566	JONES	2975	MANAGER
7654	MARTIN	1250	SALESMAN
7499	ALLEN	1600	SALESMAN
7844	TURNER	1500	SALESMAN
7900	JAMES	950	CLERK
7521	WARD	1250	SALESMAN
7902	FORD	3000	ANALYST
7369	SMITH	800	CLERK
7788	SCOTT	3000	ANALYST
7876	ADAMS	1100	CLERK
7934	MILLER	1300	CLERK

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 FROM Emp;
```

View created.

SQL> DESC Employees

Name	Null?
ID Number	NOT
NULL NUMBER(4)	

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```
NAME
VARCHAR2(10)
Basic Salary
NUMBER(7,2)
DESIGNATION
VARCHAR2(9)
```

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

ID Number	NAME	Basic Salary	DESIGNATI
7839	KING	5000	PRESIDENT
7698	BLAKE	2850	MANAGER
7782	CLARK	2450	MANAGER
7566	JONES	2975	MANAGER
7654	MARTIN	1250	SALESMAN
7499	ALLEN	1600	SALESMAN
7844	TURNER	1500	SALESMAN
7900	JAMES	950	CLERK
7521	WARD	1250	SALESMAN
7902	FORD	3000	ANALYST
7369	SMITH	800	CLERK
7788	SCOTT	3000	ANALYST
7876	ADAMS	1100	CLERK
7934	MILLER	1300	CLERK

14 rows selected.

```
SQL> SELECT Ename, Job
       2 FROM Employees;
SELECT Ename, Job
       *
```

ERROR at line 1:
ORA-00904: "JOB": invalid identifier

```
SQL> SELECT Name, Designation
       2 FROM Employees;
```

NAME	DESIGNATI
KING	PRESIDENT
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER
MARTIN	SALESMAN
ALLEN	SALESMAN

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```
TURNER      SALESMAN
JAMES       CLERK
WARD        SALESMAN
FORD        ANALYST
SMITH       CLERK
SCOTT       ANALYST
ADAMS       CLERK
MILLER      CLERK
```

14 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT Name, Designation
2  FROM Employees
3* WHERE Designation = 'MANAGER'
SQL> /
```

NAME	DESIGNATI
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT Designation, SUM("Basic Salary") SalSum
2  FROM Employees
3* GROUP BY Designation
SQL> /
```

DESIGNATI	SALSUM
SALESMAN	5600
CLERK	4150
PRESIDENT	5000
MANAGER	8275
ANALYST	6000

```
SQL> SELECT ID Number, Name
2  FROM Employees;
SELECT ID Number, Name
*
```

```
ERROR at line 1:
ORA-00923: FROM keyword not found where expected
```

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SQL> ED

Wrote file afiedt.buf

```
1  SELECT "ID Number", Name
2*  FROM Employees
SQL> /
```

ID Number NAME

```
-----
7839 KING
7698 BLAKE
7782 CLARK
7566 JONES
7654 MARTIN
7499 ALLEN
7844 TURNER
7900 JAMES
7521 WARD
7902 FORD
7369 SMITH
7788 SCOTT
7876 ADAMS
7934 MILLER
```

14 rows selected.

SQL> cl scr

```
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 * FROM EmpInfo;

```
EMPLOYEEID NAME          DEPARTMENTID DEPARTMENTNAME
-----
-----
```

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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
7654 MARTIN	30 SALES
7698 BLAKE	30 SALES
7844 TURNER	30 SALES

14 rows selected.

```
SQL> CREATE OR REPLACE VIEW EmpGrades
  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> 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
FORD	3000	4
SCOTT	3000	4
KING	5000	5

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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> DESC EmpGrades

Name	Null?
Type	

NAME	
VARCHAR2(10)	
BASIC	
NUMBER(7,2)	
GRADE	
NUMBER	

SQL> SELECT EMPLOYEEID, EI.NAME, DEPARTMENTNAME, BASIC, GRADE
2 FROM EmpInfo EI, EmpGrades EG
3 WHERE EI.NAME = EG.NAME;

EMPLOYEEID	NAME	DEPARTMENTNAME	BASIC	GRADE
7900	JAMES	SALES	950	1
7876	ADAMS	RESEARCH	1100	1
7369	SMITH	RESEARCH	800	1
7521	WARD	SALES	1250	2
7654	MARTIN	SALES	1250	2
7934	MILLER	ACCOUNTING	1300	2
7499	ALLEN	SALES	1600	3
7844	TURNER	SALES	1500	3
7566	JONES	RESEARCH	2975	4
7788	SCOTT	RESEARCH	3000	4
7782	CLARK	ACCOUNTING	2450	4
7902	FORD	RESEARCH	3000	4

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```
.....
7698 BLAKE      SALES      2850      4
7839 KING       ACCOUNTING 5000      5
```

14 rows selected.

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

View created.

```
SQL> DESC EmpManagers
Name                                         Null?
Type
-----
SERIALNO
NUMBER
Employee And Managers
VARCHAR2(33)
```

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

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

13 rows selected.

```
SQL> CREATE OR REPLACE VIEW EmpAccounts
-----
```

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```
2 AS
3 SELECT
4   Ename,
5   Deptno,
6   Sal Monthly,
7   Sal * 12 Annual
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> CREATE OR REPLACE VIEW CumSum
2 AS
3 SELECT
4   B.Sal,
5   SUM(A.Sal) Cum_Sal
6 FROM Emp A, Emp B
7 WHERE A.RowID <= B.RowID
8 GROUP BY B.RowID, B.Sal;
```

View created.

```
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> SPPOOL OFF
```

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