

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> ck scr
SP2-0042: unknown command "ck scr" - rest of line ignored.
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> SELECT * FROM TAB;
```

TNAME	TABTYPE	CLUSTERID
BONUS	TABLE	
CUSTOMER	TABLE	

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```
DEPT          TABLE
DUMMY         TABLE
EMP           TABLE
EMPDELETAUDIT TABLE
EMPLOYEES     VIEW
ITEM          TABLE
MYEMP         TABLE
ORD           TABLE
PRICE         TABLE
PRODUCT       TABLE
SALES         VIEW
SALGRADE      TABLE
SALUPDATEAUDIT TABLE
STUDENTS      TABLE
```

16 rows selected.

SQL> cl scr

SQL> DESC Employees

```
Name                                         Null?
Type
-----
ID Number                                     NOT
NULL NUMBER(4)
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
```

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7369 SMITH	800 CLERK
7788 SCOTT	3000 ANALYST
7876 ADAMS	1100 CLERK
7934 MILLER	1300 CLERK

14 rows selected.

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

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

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

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

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```
SQL> ED
Wrote file afiedt.buf

  1  SELECT Name, Designation
  2* FROM Employees
SQL> /
```

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

14 rows selected.

```
SQL> SELECT Name, Deptno
  2  FROM Employees;
SELECT Name, Deptno
      *
ERROR at line 1:
ORA-00904: "DEPTNO": invalid identifier
```

```
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
```

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10 ORDER BY D.Deptno;

View created.

SQL> DESC EmpInfo

Name	Null?
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
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
```

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```
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
FORD	3000	4
SCOTT	3000	4
KING	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.

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```
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
  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
```

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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> cl scr

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)	

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READ_ONLY
VARCHAR2 (1)

```
SQL> COL VIEW_NAME FOR A15
SQL> COL TEXT FOR A45
SQL> SELECT VIEW_NAME, TEXT
       2  FROM USER_VIEWS
       3  WHERE VIEW_NAME = 'EMPLOYEES';
```

VIEW_NAME	TEXT
EMPLOYEES	SELECT Empno "ID Number", Ename Name, Sal "Basic Salary", Job Designation FR

```
SQL> SET LONG 150
SQL> SELECT VIEW_NAME, TEXT
       2  FROM USER_VIEWS
       3  WHERE VIEW_NAME = 'EMPLOYEES';
```

VIEW_NAME	TEXT
EMPLOYEES	SELECT Empno "ID Number", Ename Name, Sal "Basic Salary", Job Designation FROM Emp

```
SQL> cl scr
```

```
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;
```

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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
Type
```

Null?

```
-----
DEPARTMENTNAME
VARCHAR2(14)
MINIMUMSALARY
NUMBER
MAXSALARY
NUMBER
AVERAGESALARY
NUMBER
SALARYSUM
NUMBER
```

```
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 DeptSalSummary
 2 (
 3   DepartmentName,
```

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```
4   MinimumSalary,
5   MaxSalary,
6   AverageSalary,
7   SalarySum
8 )
9 AS
10 SELECT
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> SPOOL OFF

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