

## **CREATE TABLE WITH RECORDS**

### **Note:**

- Create a table with the following field name and constraints.
- Create a script of Table and Related Records.
- Insert Proper records without any spelling mistakes.

### **Table Name: Departments**

Name	Constraints	Type
DEPTNO	Primary Key	NUMBER(3)
DNAME	Not Null	VARCHAR2(20)
LOC	The location should be either <b>RAJKOT, AHMEDABAD, SURAT, VADODARA</b>	VARCHAR2(20)

### **Records In Department Table**

DEPTNO	DNAME	LOC
<b>10</b>	ACCOUNTING	RAJKOT
<b>20</b>	RESEARCH	AHMEDABAD
<b>30</b>	SALES	SURAT
<b>40</b>	OPERATIONS	VADODARA

```
DROP TABLE DEPARTMENTS PURGE
```

```
/
```

```
CREATE TABLE DEPARTMENTS (
```

```
    DEPTNO NUMBER(3) CONSTRAINT DEPT_PK PRIMARY KEY,
```

```
    DNAME VARCHAR2(20) NOT NULL,
```

```
    LOC VARCHAR2(20) CONSTRAINT DEPT_LOC_CHK CHECK (UPPER(LOC) IN  
( 'RAJKOT' , 'AHMEDABAD' , 'SURAT' , 'VADODARA' ) )
```

```
)
```

```
/
```

```
INSERT INTO DEPARTMENTS (DEPTNO,DNAME,LOC) VALUES
```

```
(10, 'ACCOUNTING' , 'RAJKOT')
```

```
/
```

```
INSERT INTO DEPARTMENTS (DEPTNO,DNAME,LOC) VALUES
```

```
(20, 'RESEARCH' , 'AHMEDABAD')
```

```
/
```

```
INSERT INTO DEPARTMENTS (DEPTNO,DNAME,LOC) VALUES
```

```
(30, 'SALES' , 'SURAT')
```

```
/
```

```
INSERT INTO DEPARTMENTS (DEPTNO,DNAME,LOC) VALUES
```

```
(40, 'OPERATION' , 'VADODARA')
```

```
/
```

```
COMMIT
```

```
/
```

**Table Name: Employees**

Name	Column Level Constraint	Type
EMPNO	Primary Key	NUMBER(4)
ENAME	Not Null	VARCHAR2(50)
JOB		VARCHAR2(10)
MGR		NUMBER(4)
BIRTHDATE		DATE
HIREDATE		DATE
SALARY	Salary must be more than 100 and the Default 1000	NUMBER(6)
COMM		NUMBER(7,2)
DEPTNO	Foreign Key <b>Departments</b>	NUMBER(3)

**Table Level Constraints:**

- The employee must be a minimum of 21 years old

## Records In Employees Table

EMPNO	ENAME	JOB	MGR	BIRTHDATE	HIREDATE	SALARY	COMM	DEPTNO
7369	PARAG	CLERK	7902	08-MAR-85	17-DEC-08	800	NULL	20
7499	KAPIL	SALESMAN	7698	11-SEP-80	20-FEB-03	1600	300	30
7521	ANKIT	SALESMAN	7698	27-APR-81	22-FEB-03	1250	500	30
7566	DEVEN	MANAGER	7839	24-JUN-81	02-APR-03	2975	NULL	20
7564	DHARMIK	SALESMAN	7698	20-SEP-82	28-SEP-03	1250	1400	30
7698	TATSAT	MANAGER	7839	26-APR-82	01-MAY-03	2850	NULL	30
7782	HARIOM	MANAGER	7839	25-MAY-83	09-JUN-04	2450	NULL	10
7788	TIRTH	ANALYST	7566	28-MAR-87	19-APR-09	3000	NULL	20
7839	RAJA	PRESIDENT	NULL	20-NOV-81	17-NOV-03	5000	NULL	10
7844	KALPESH	SALESMAN	7698	19-OCT-81	08-SEP-03	1500	0	30
7876	ANIL	CLERK	7788	21-MAY-86	23-MAY-09	1100	NULL	20
7900	RAMESH	CLERK	7698	22-AUG-80	03-DEC-03	950	NULL	30
7902	NAMAN	ANALYST	7566	19-NOV-82	03-DEC-03	3000	NULL	20
7934	SHREY	CLERK	7782	12-FEB-82	23-JAN-04	1300	NULL	10

**DROP TABLE EMPLOYEES PURGE**

/

```

CREATE TABLE EMPLOYEES (
    EMPNO NUMBER(4)
        CONSTRAINT EMP_PK PRIMARY KEY,
    ENAME VARCHAR2(50)
        NOT NULL,
    JOB VARCHAR2(10),
    MGR NUMBER(4),
    BIRTHDATE DATE,
    HIREDATE DATE,
    SALARY NUMBER(6)
        DEFAULT 1000
        CONSTRAINT EMP_SAL_CHK CHECK(SALARY > 100),
    COMM NUMBER(7,2),
    DEPTNO NUMBER(3) REFERENCES DEPARTMENTS,
    CONSTRAINT EMP_BDATE_TAB_LEVEL CHECK (HIREDATE >=
ADD_MONTHS(BIRTHDATE,21*12))
)
/

```

```

INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7369,'PARAG','CLERK',7902,'08-MAR-1985','17-DEC-2008',800,NULL,
20)
/

```

```

INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7499,'KAPIL','SALESMAN',7698,'11-SEP-1980','20-FEB-2003',1600,3
00,30)
/

```

```
INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7521,'ANKIT','SALESMAN',7698,'27-APR-1981','22-FEB-2003',1250,5
00,30)
/
```

```
INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7566,'DEVEN','MANAGER',7839,'24-JUN-1981','02-APR-2003',2975,NU
LL,20)
/
```

```
INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7654,'DHARMIK','SALESMAN',7698,'20-SEP-1982','28-SEP-2003',1250
,1400,30)
/
```

```
INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7698,'TATSAT','MANAGER',7839,'26-APR-1982','01-MAY-2003',2850,N
ULL,30)
/
```

```
INSERT INTO EMPLOYEES
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
VALUES
(7782,'HARIOM','MANAGER',7839,'25-MAY-1983','09-JUN-2004',2450,N
ULL,10)
/
```

INSERT INTO EMPLOYEES

(EMPNO, ENAME, JOB, MGR, BIRTHDATE, HIREDATE, SALARY, COMM, DEPTNO)

VALUES

(7788, 'TIRTH', 'ANALYST', 7566, '28-MAR-1987', '19-APR-2009', 3000, NULL, 20)

/

INSERT INTO EMPLOYEES

(EMPNO, ENAME, JOB, MGR, BIRTHDATE, HIREDATE, SALARY, COMM, DEPTNO)

VALUES

(7839, 'RAJA', 'PRESIDENT', NULL, '20-NOV-1981', '17-NOV-2003', 5000, NULL, 10)

/

INSERT INTO EMPLOYEES

(EMPNO, ENAME, JOB, MGR, BIRTHDATE, HIREDATE, SALARY, COMM, DEPTNO)

VALUES

(7844, 'KALPESH', 'SALESMAN', 7698, '19-OCT-1981', '08-SEP-2003', 1500, 0, 30)

/

INSERT INTO EMPLOYEES

(EMPNO, ENAME, JOB, MGR, BIRTHDATE, HIREDATE, SALARY, COMM, DEPTNO)

VALUES

(7876, 'ANIL', 'CLERK', 7788, '21-MAY-1986', '23-MAY-2009', 1100, NULL, 20)

/

```
INSERT INTO EMPLOYEES
```

```
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
```

```
VALUES
```

```
(7900,'RAMESH','CLERK',7698,'22-AUG-1980','03-DEC-2003',950,NULL
```

```
,30)
```

```
/
```

```
INSERT INTO EMPLOYEES
```

```
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
```

```
VALUES
```

```
(7902,'NAMAN','ANALYST',7566,'19-NOV-1982','03-DEC-2003',3000,NU
```

```
LL,20)
```

```
/
```

```
INSERT INTO EMPLOYEES
```

```
(EMPNO,ENAME,JOB,MGR,BIRTHDATE,HIREDATE,SALARY,COMM,DEPTNO)
```

```
VALUES
```

```
(7934,'SHREY','CLERK',7782,'12-FEB-1982','23-JAN-2004',1300,NULL
```

```
,10)
```

```
/
```

```
COMMIT
```

```
/
```



**Table Name: Salgrade**

Name	Constraints	Type
GRADE	Primary Key	NUMBER(1)
LOSAL	Must be Greater than 0	NUMBER(5)
HISAL	Must be Greater than 0	NUMBER(7)

**Records In Salgrage**

GRADE	LOSAL	HISAL
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

**DROP TABLE SALGRADE PURGE**

**/**

```
CREATE TABLE SALGRADE(  
    GRADE NUMBER(1)  
        CONSTRAINT SALGRD_GRD_PK PRIMARY KEY,  
    LOSAL NUMBER(5)  
        CONSTRAINT SALGRD_LOSAL_CHK CHECK(LOSAL > 0),  
    HISAL NUMBER(7)  
        CONSTRAINT SALGRD_HISAL_CHK CHECK(HISAL > 0)  
)  
/  
  
INSERT INTO SALGRADE (GRADE,LOSAL,HISAL)  
VALUES (1,700,1200)  
/  
  
INSERT INTO SALGRADE (GRADE,LOSAL,HISAL)  
VALUES (2,1201,1400)  
/  
  
INSERT INTO SALGRADE (GRADE,LOSAL,HISAL)  
VALUES (3,1401,2000)  
/  
  
INSERT INTO SALGRADE (GRADE,LOSAL,HISAL)  
VALUES (4,2001,3000)  
/  
  
INSERT INTO SALGRADE (GRADE,LOSAL,HISAL)  
VALUES (5,3001,9999)  
/  
  
COMMIT  
/
```