1. **CONSTRAINTS**

**SOURCE CODE:**

create table EMP1(EMPNO number primary key,name varchar(20),

JOB VARCHAR(30), SAL varchar(20),COMISSION NUMBER,

DEPARTMENT VARCHAR(30),DOB date);

Insert into EMP1 Values(1,'Kewin','Developer',100000,3000,'IT','06-Apr-2002');

Insert into EMP1 Values(2,'Bovas','Tester',96000,2000,'IT','26-Mar-2000');

Insert into EMP1 Values(3,'Daniel','Manager',8000,1000,'Management','29-Dec-2001');

Insert into EMP1 Values(4,'Mark','Manager',20000,3000,'Management','07-Sep-1970');

Insert into EMP1 Values(5,'Arthur','HR',30000,3000,'Human Resource','22-Jun-1972');

Alter table EMP1 ADD CONSTRAINT CHK\_SAL CHECK(SAL>0 AND SAL>COMISSION);

Select constraint\_name, constraint\_type from user\_constraints where table\_name='EMP1';

**OUTPUT:**

SQL> create table EMP1(EMPNO number primary key,name varchar(20),

2 JOB VARCHAR(30), SAL varchar(20),COMISSION NUMBER,

3 DEPARTMENT VARCHAR(30),DOB date);

Table created.

SQL> Insert into EMP1 Values(1,'Kewin','Developer',100000,3000,'IT','06-Apr-2002');

1 row created.

SQL> Insert into EMP1 Values(2,'Bovas','Tester',96000,2000,'IT','26-Mar-2000');

1 row created.

SQL> Insert into EMP1 Values(3,'Daniel','Manager',8000,1000,'Management','29-Dec-2001');

1 row created.

SQL>

SQL> Insert into EMP1 Values(4,'Mark','Manager',20000,3000,'Management','07-Sep-1970');

1 row created.

SQL> Insert into EMP1 Values(5,'Arthur','HR',30000,3000,'Human Resource','22-Jun-1972');

1 row created.

SQL> Alter table EMP1 ADD CONSTRAINT CHK\_SAL CHECK(SAL>0 AND SAL>COMISSION);

Table altered.

SQL> Select constraint\_name, constraint\_type from user\_constraints where table\_name='EMP1';

CONSTRAINT\_NAME C

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SYS\_C009790 P

CHK\_SAL C

1. **PARTITION**

**SOURCE CODE:**

create table empart1(id number primary key,name varchar2(40),sal number(10,2)) partition by range(Sal)

(partition p1 values less than (5000) tablespace users,

partition p2 values less than (15000) tablespace users);

select tablespace\_name from user\_tables;

**OUTPUT:**

SQL> create table empart1(id number primary key,name varchar2(40),sal number(10,2)) partition by ran

ge(Sal)

2 (partition p1 values less than (5000) tablespace users,

3 partition p2 values less than (15000) tablespace users);

Table created.

SQL>

SQL> select tablespace\_name from user\_tables;

TABLESPACE\_NAME

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USERS

USERS

USERS

TBS\_KEW

TBS\_KEW

TBS\_KEW

USERS

USERS

10 rows selected.

1. **VIEWS**

**SOURCE CODE:**

Create view workers1 as select \* from emp1 where job<>’manager’;

Insert into workers1 values(6,’Drew’,’tester’,200000,2000,’software’);

Alter table emp1 add(age number(3));

Update emp1 set age=round((sysdate-dob)/365) where empno<>0;

Create view upd\_workers1 as select \* from emp;

Insert into upd\_Workers1 values(7,’Rishab’,’Analyst’,25000,2500,’IT,’03-MAR-2002’,22);

**OUTPUT:**