

Insert

Re-create the candidate table as such:

Candidate

Candidate_id (Primary key)
First_name (UK composite)
Last_Name (UK composite)
DOB
Salary (check constraint Salary > 10000 and less than 50000)
Party_id (FK)

Re-create the Party table as such:

Party

Party_id (Primary key)
PartyDesc (Unique key)

You may get an error message on some of these and it may be correct

1) Create the above tables with all the proper constraints. Name all the constraints. All the constraints should be in the CREATE TABLE statement.

```
5 CREATE TABLE party (  
6     party_id NUMBER CONSTRAINT party_party_id_pk PRIMARY KEY,  
7     party_desc VARCHAR2 (50) CONSTRAINT part_party_desc_uk UNIQUE  
8 );  
9  
10 CREATE TABLE candidate (  
11     candidate_id NUMBER CONSTRAINT candidate_candidate_id_pk PRIMARY KE  
12     f_name VARCHAR2 (20),  
13     l_name VARCHAR2 (30),  
14     dob DATE,  
15     salary NUMBER CONSTRAINT candidate_salary_ck CHECK (salary BETWEEN  
16     party_id NUMBER CONSTRAINT candidate_party_id_fk REFERENCES party,  
17  
18     CONSTRAINT candidate_name_uk UNIQUE (f_name, l_name)  
19 );
```

2) Insert two rows into each of the above tables. You have to populate the tables in the proper order (You should not get an error for this)

```
21 INSERT INTO party VALUES (1, 'Democrat');
22 INSERT INTO party VALUES (2, 'Republican');
23 INSERT INTO candidate VALUES (1, 'igor', 'oleshko', '03-mar-1
24 INSERT INTO candidate VALUES (2, 'john', 'doe', '05-dec-96',
```

1 row(s) inserted.

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3) Insert two rows into the Candidate table. Populate all the fields. In one row insert the date using the (mmddyy) format. In another one insert it using (ddyyymm) format.

```
26 INSERT INTO candidate VALUES (3, 'bob', 'smith', TO_DATE('011201', 'mmdd
27 INSERT INTO candidate VALUES (4, 'sarah', 'smith', TO_DATE('259802', 'ddy
```

1 row(s) inserted.

4) Display the DOB information from the candidate table in mmddyyyy format

```
29 SELECT TO_CHAR(dob, 'mmddyyyy') dob FROM
30
```

DOB
03032005
12051996
01122001
02252098

5) Display the DOB information from the candidate table in ddyyymm hh12:mi:ss format

```
31 SELECT TO_CHAR(dob, 'ddyyymm hh12:mi:ss') dob FROM
```

DOB
03200503 12:00:00
05199612 12:00:00
12200101 12:00:00
25209802 12:00:00

6) Insert another row into candidate table such that it violates the check constraint

```
34 INSERT INTO candidate VALUES (5, 'john', 'smith', TO_DATE('062207', 'mmddyy'), 5000, 1);
```

ORA-02290: check constraint (SQL_RXOVBHTOTREAPAKFFPDEXCCG1.CANDIDATE_SALARY_CK) violated ORA-06512: at "

7) Insert another row into party such that it violates the Unique constraint

```
36 INSERT INTO party VALUES (3, 'Democrat');
```

ORA-00001: unique constraint (SQL_RXOVBHTOIBEAPAKFFPDEXCCG3.PART_PARTY_DESC_UK) violated ORA-06512: at "

8) Display the constraint information on both tables using the system table user_constraints

```
40 SELECT table_name, constraint_name, constraint_type, r_constraint_name, search_condition FROM user_constraints WHERE table_name='P
41
```

TABLE_NAME	CONSTRAINT_NAME	CONSTRAINT_TYPE	R_CONSTRAINT_NAME	SEARCH_CONDITION
PARTY	PARTY_PARTY_ID_PK	P	-	-
PARTY	PART_PARTY_DESC_UK	U	-	-
CANDIDATE	CANDIDATE_SALARY_CK	C	-	salary BETWEEN 10001 AND 49999
CANDIDATE	CANDIDATE_CANDIDATE_ID_PK	P	-	-
CANDIDATE	CANDIDATE_NAME_UK	U	-	-