

Assignment 6 – COMBINING TABLE EXPRESSIONS, UPDATING TABLES, AND CREATING TABLES

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This assignment requires that you create statements as specified below; using the UNION, UPDATE or CREATE TABLE statement.

**UNION** - Please copy the SQL statement that you type into this document (Do not use a screen capture for your SQL statements) and give me the number of records that you get as result.

1. Find the player name and initials as a single column called **Player**, for those players living in Stratford, Inglewood and Midhurst. (Remember to use a UNION statement.)

SQL Statement:

```
SELECT    CONCAT(INITIALS, ". ", NAME) AS PLAYER, PLAYERS.TOWN
FROM      PLAYERS,
          (SELECT 'Stratford' AS TOWN
           UNION SELECT 'Inglewood'
           UNION SELECT 'Midhurst') AS TOWNS
WHERE     PLAYERS.TOWN = TOWNS.TOWN
```

Number of records in results: 10

**CREATE and INSERT** – Please copy the SQL statement(s) that you type into this document (Do not use a screen capture for your SQL statements) and give me the number of records that you get as result.

2. You are to create two new tables, COMMITTEE\_CHAIRS and TOURNAMENTS, and populate the tables with data.

Additional Information:

- a. COMMITTEE\_CHAIR table: The members of the general Committee have decided that the work is now too much for them to handle They have decided to create sub-committees
- b. TOURNAMENTS table: The club has decided to start hosting tennis tournaments and wants to record information about the tournaments

**COMMITTEE\_CHAIRS**

The information they have determined that they want to record about the sub-committee chairs includes

- **committee name** - title of the committee
- **player number** - player serving as chair
- **start date** - date the player starting serving as committee chair

In naming your columns be consistent with other naming conventions already established within the TENNIS database.

The following committees have been determined to be needed now

- **membership** - player number 8 has agreed to serve as chair starting 2000-8-1

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- **tournament** - player number 28 has agreed to serve as chair starting 2000-8-1

If you feel there is anything missing in this definition, please list your assumptions and why you set your table up the way you did.

SQL statement to create COMMITTEE\_CHAIRS table:

```
CREATE TABLE COMMITTEE_CHAIRS
  (COMMITTEENO      INTEGER      NOT NULL,
   COMMITTEE_NAME  CHAR(20)     NOT NULL,
   PLAYERNO        INTEGER      NOT NULL,
   BEGIN_DATE      DATE         NOT NULL,
   PRIMARY KEY     (COMMITTEENO) );
```

SQL statement to insert data into the COMMITTEE\_CHAIRS table:

```
INSERT INTO COMMITTEE_CHAIRS VALUES
  (1, 'Membership', 8, '2000-8-1');

INSERT INTO COMMITTEE_CHAIRS VALUES
  (2, 'Tournament', 28, '2000-8-1');
```

## TOURNAMENTS

### TOURNAMENTS

The information Committee members have determined that they want to record about the tournaments includes

- **tournament date**
- **player number** - player serving as official at the tournament (not the same as the member serving as committee chair for the tournament)
- **league number** - what league will be playing in the tournament
- **type of tournament** - Men's only, to be indicated with 'M', Women's only, to be indicated with 'W' or both, indicated with a 'B'

In naming your columns be consistent with other naming conventions already established within our tennis database.

The following tournaments are scheduled now

- 2000-8-5, player number 8 has agreed to serve as official at this tournament, league number 1124 will be playing, and it will be open to both men and women
- 2000-9-15, player number 104 has agreed to serve as official at this tournament, league number 1608 will be playing, and it will be open to women

If you feel there is anything missing in this definition, please list your assumptions and why you set your table up the way you did.

SQL statement to create TOURNAMENTS table:

```
CREATE TABLE TOURNAMENTS
(TOURNAMENTNO          INTEGER      NOT NULL,
 TOURNAMENT_DATE      DATE          NOT NULL,
 PLAYERNO              INTEGER      NOT NULL,
 LEAGUENO              INTEGER      NOT NULL,
 TYPE_OF_TOURNAMENT    CHAR(1)      NOT NULL,
 PRIMARY KEY          (TOURNAMENTNO) );
```

SQL statement to insert data into the TOURNAMENTS table:

```
INSERT INTO TOURNAMENTS VALUES
(1, '2000-8-5', 8, 1124, 'B');

INSERT INTO TOURNAMENTS VALUES
(2, '2000-9-15', 104, 1608, 'W');
```

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**UPDATING TABLES** – Please copy the SQL statement(s) that you type into this document (Do not use a screen capture!) and give me the number of records that you get as result.

3. After seeing the structure of the COMMITTEE\_CHAIRS table, the committee members decide they also want to keep track of the date that committee chairs stop being chairs. Alter the COMMITTEE\_CHAIRS table adding a column:
  - **end date** – date the player stopped serving as a committee chair

SQL statement to alter the COMMITTEE\_CHAIRS table:

```
ALTER TABLE COMMITTEE_CHAIRS
ADD          END_DATE DATE
```