

CIS 251 Final Exam Part 2

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I am using _x_ MySQL _____ SQL Server 2008

This is the second part of your final examination for CIS 251 - Introduction to SQL.

Run additional SQL Statements against your database. Create the following SQL statements; run them against your newly created tables. You will be copying both your SQL statements and your results into **THIS** document. **Be sure you have the complete results screen showing; including the status of each SQL statement.** These screen shots should be complete, do not cut off your results.

Keep all questions in tack in this document. Do not delete the questions.

1. Show all of the information available about the contributors.

```
SELECT *
FROM CONTRIBUTORS
```

2. Show all of the information available about the campaigns.

```
SELECT *
FROM CAMPAIGNS
```

3. Show all of the information available about the pledges.

```
SELECT *
FROM PLEDGES
```

4. For all of the contributors, find their last plus their first name as Contributors (as a single field), and determine the total amount of money they have contributed to all campaigns as Total_Pledges.

```
SELECT (SELECT CONCAT(C.CONTRIBUTOR_FNAME, ' ', C.CONTRIBUTOR_LNAME)
FROM CONTRIBUTORS AS C
WHERE C.CONTRIBUTOR_ID = P.CONTRIBUTOR_ID) AS CONTRIBUTORS,
SUM(P.AMOUNT) AS TOTAL_PLEDGED
FROM PLEDGES AS P
GROUP BY CONTRIBUTORS
```

5. We would like to create a mailing to all individuals that live in the same city as Mr. Nagy.

```
SELECT CONCAT(CONTRIBUTOR_FNAME, ' ', CONTRIBUTOR_LNAME) AS NAME, CITY
FROM CONTRIBUTORS
WHERE CITY IN (SELECT CITY
FROM CONTRIBUTORS
WHERE CONTRIBUTOR_LNAME = 'Nagy')
```

6. We **often** need to see the totals amounts that have been contributed to each campaign. Create a view and call this view Campaign_Total, which shows the campaign identification, the campaign name and the total amount of pledges received for the campaign as Total_Pledge. Select all the information available from the view. (2 SQL statements)

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```
CREATE VIEW CAMPAIGN_TOTAL AS
```

```
SELECT      CAMP.CAMPAIGN_ID, CAMP.CAMPAIGN_NAME, IFNULL(SUM(P.AMOUNT), 0) AS
TOTAL_PLEDGE
FROM        CAMPAIGNS AS CAMP LEFT JOIN PLEDGES AS P
ON          CAMP.CAMPAIGN_ID = P.CAMPAIGN_ID
GROUP BY   CAMP.CAMPAIGN_ID;

SELECT      *
FROM        CAMPAIGN_TOTAL
```

7. Using the view you created in question #6, find the campaign name, the amount of money the campaigns are short of their goal.

```
SELECT      CT.CAMPAIGN_NAME,
            (SELECT      CAMP.FUNDRAISING_GOAL
             FROM        CAMPAIGNS AS CAMP
             WHERE       CAMP.CAMPAIGN_ID = CT.CAMPAIGN_ID) - CT.TOTAL_PLEDGE AS
SHORT_OF_GOAL
FROM        CAMPAIGN_TOTAL AS CT
GROUP BY   CAMPAIGN_NAME
```

8. A new pledge has been received, insert the following information **AND** run a select statement, which shows all the information about the new record (**only**) in the PLEDGE table. (2 SQL statements)

Contributor: Karl Jablonski
Amount: \$100
Pledge made on July 31, 2000
For the campaign of Books for Schools
Karl states the check is in the mail.

```
INSERT INTO PLEDGES
(CONTRIBUTOR_ID, CAMPAIGN_ID, PLEDGE_DATE, AMOUNT, PAID, PAYMENT_DATE) VALUES
((SELECT CONTRIBUTOR_ID FROM CONTRIBUTORS WHERE CONCAT(CONTRIBUTOR_FNAME, ' ',
CONTRIBUTOR_LNAME) = 'Karl Jablonski'),
(SELECT CAMPAIGN_ID FROM CAMPAIGNS WHERE CAMPAIGN_NAME = 'Books for Schools'),
'2000-07-31', 100, 'N', NULL);

SELECT      *
FROM        PLEDGES ORDER BY PLEDGE_ID DESC LIMIT 1
```

9. The pledge created in #8, was paid on 8/1/2000, please update the record, **AND** run a select statement which shows all the information about the updated record (only). (2 SQL statements)

```
UPDATE PLEDGES
SET PAYMENT_DATE = '2000-08-01'
WHERE PLEDGE_ID = 10;

SELECT      *
FROM        PLEDGES
WHERE       PLEDGE_ID = 10
```

10. Create a list of contributors' last name, campaign names, and amounts contributed to each campaign; sort the list by campaign name.

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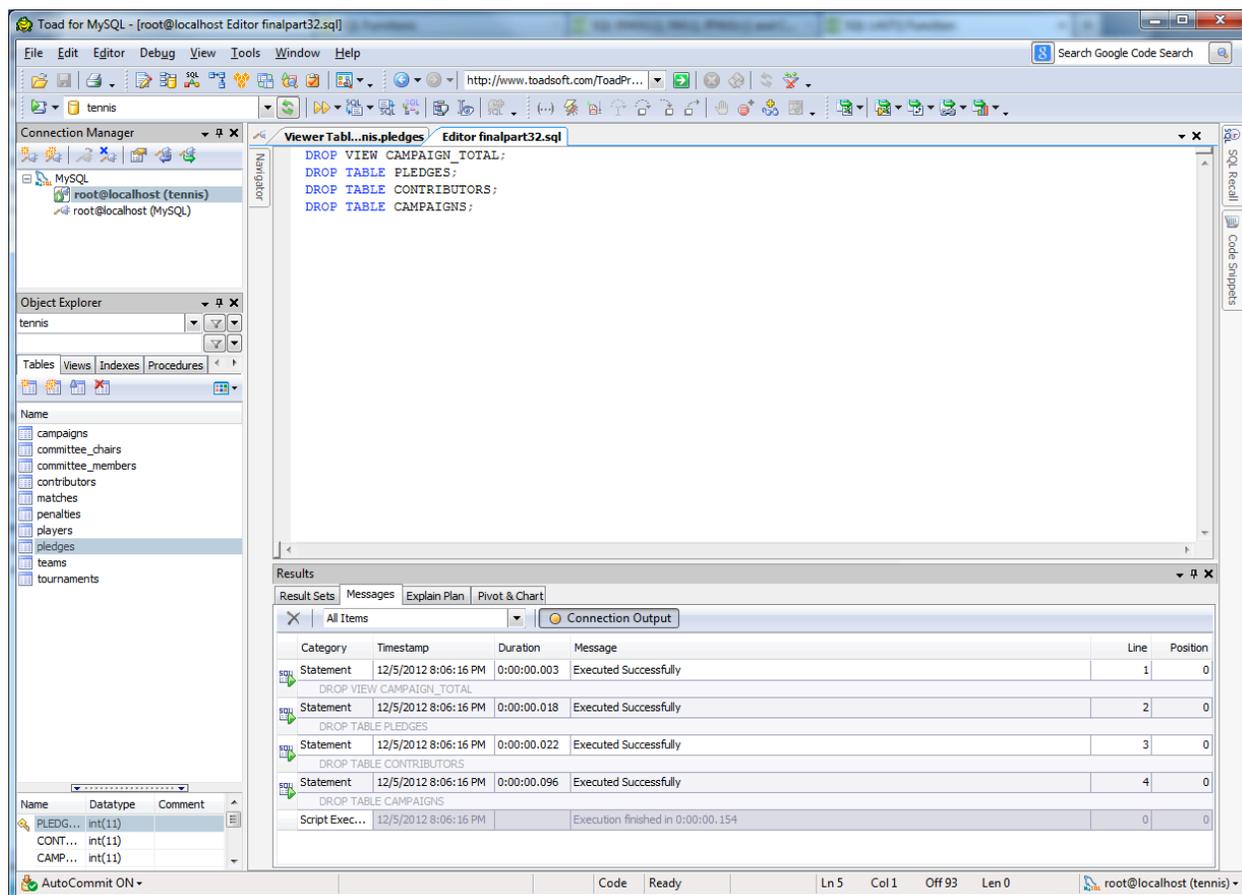
```
SELECT      IFNULL( (SELECT CONT.CONTRIBUTOR_LNAME
                    FROM      CONTRIBUTORS AS CONT
                    WHERE      CONT.CONTRIBUTOR_ID = P.CONTRIBUTOR_ID), 'No One')
AS CONTRIBUTOR, CAMP.CAMPAIGN_NAME AS CAMPAIGN,
IFNULL(SUM(P.AMOUNT), 0)
FROM        CAMPAIGNS AS CAMP LEFT JOIN PLEDGES AS P
ON          CAMP.CAMPAIGN_ID = P.CAMPAIGN_ID
GROUP BY   CONTRIBUTOR_ID, CAMPAIGN
ORDER BY   CAMPAIGN
```

11. What is the total amount of all contributions received (paid)?

```
SELECT      SUM(AMOUNT) AS TOTAL_CONTRIBUTIONS_PAID
FROM        PLEDGES
WHERE       PAID = 'Y'
```

12. Delete your database. Show a confirming window that your database has been deleted.

```
DROP VIEW CAMPAIGN_TOTAL;
DROP TABLE PLEDGES;
DROP TABLE CONTRIBUTORS;
DROP TABLE CAMPAIGNS;
```



Turn in: (in this order)

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- This exam electronically to Blackboard..
- Enjoy the break! See you Spring quarter.