

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 contributor;
```

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

```
SELECT *  
FROM campaign;
```

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

```
SELECT *  
FROM pledge;
```

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.

WORKS for combined totals

```
SELECT CONCAT (LastName, + ", ", + FirstName) AS Contributors,  
SUM(Amount) AS Total_Pledges  
FROM contributor, pledge  
WHERE pledge.ContributorNumber = contributor.ContributorNumber  
GROUP BY Contributors;
```

WORKS for individual pledges

```
SELECT CONCAT (LastName, + ", ", + FirstName) AS Contributors, CampaignName, Amount  
AS Total_Pledges  
FROM contributor, campaign, pledge  
WHERE contributor.ContributorNumber = pledge.ContributorNumber
```

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```
AND campaign.CampaignNumber = pledge.CampaignNumber
ORDER BY LastName;
```

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

```
SELECT CONCAT(LastName, + ", ", + FirstName) AS Individual,
           Address, City, State, Zip
FROM contributor
WHERE City =
      (SELECT City
       FROM contributor
       WHERE LastName = 'Nagy');
```

(Since Nagy is the only one living in Kirkland, I tried this same statement using Jones and it gave me Jones and Jablonski, who both live in Seattle.)

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)

```
CREATE VIEW Campaign_Total AS
SELECT CampaignID, CampaignName, SUM(Amount) AS Total_Pledge
FROM campaign, pledge
WHERE campaign.CampaignNumber = pledge.CampaignNumber
GROUP BY CampaignID;
```

```
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 Campaign_Total.CampaignName as Campaign_Name,
       SUM(campaign.FundraisingGoal - Campaign_Total.Total_Pledge) AS ShortOfGoal
FROM Campaign_Total JOIN campaign
WHERE Campaign_Total.CampaignName = campaign.CampaignName
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)

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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 pledge
(PledgeID, CampaignNumber, CampaignID, ContributorNumber, ContributorID,
DatePledged, Amount, Paid, PaymentDate)
VALUES (10, 1002, 'Books for School', 0003, 'Karl Jablonski', '2000-07-31', 100,
'N', NULL);
```

```
SELECT *
FROM pledge
WHERE DatePledged = '2000-07-31';
```

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 pledge
SET DatePledged = '2000-08-01'
WHERE PledgeID = '10';
```

```
SELECT *
FROM pledge
WHERE PledgeID = 10;
```

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

WORKS for combined totals

```
SELECT LastName, CampaignName, SUM(Amount) AS CampaignContribution
FROM contributor, pledge, campaign
WHERE pledge.ContributorNumber = contributor.ContributorNumber
AND campaign.CampaignNumber = pledge.CampaignNumber
GROUP BY LastName, CampaignName
ORDER BY CampaignName;
```

WORKS for individual pledges

```
SELECT LastName, CampaignName, Amount
FROM contributor, campaign, pledge
WHERE pledge.CampaignNumber = campaign.CampaignNumber
AND pledge.ContributorNumber = contributor.ContributorNumber
ORDER BY CampaignName;
```

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

```
SELECT SUM(Amount)
FROM pledge
WHERE Paid = 'Y';
```

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

```
DROP DATABASE Campaign_Database;
```

Turn in: (in this order)

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