

Student Name – Jon Raymond Melchizedek Day - 955309683

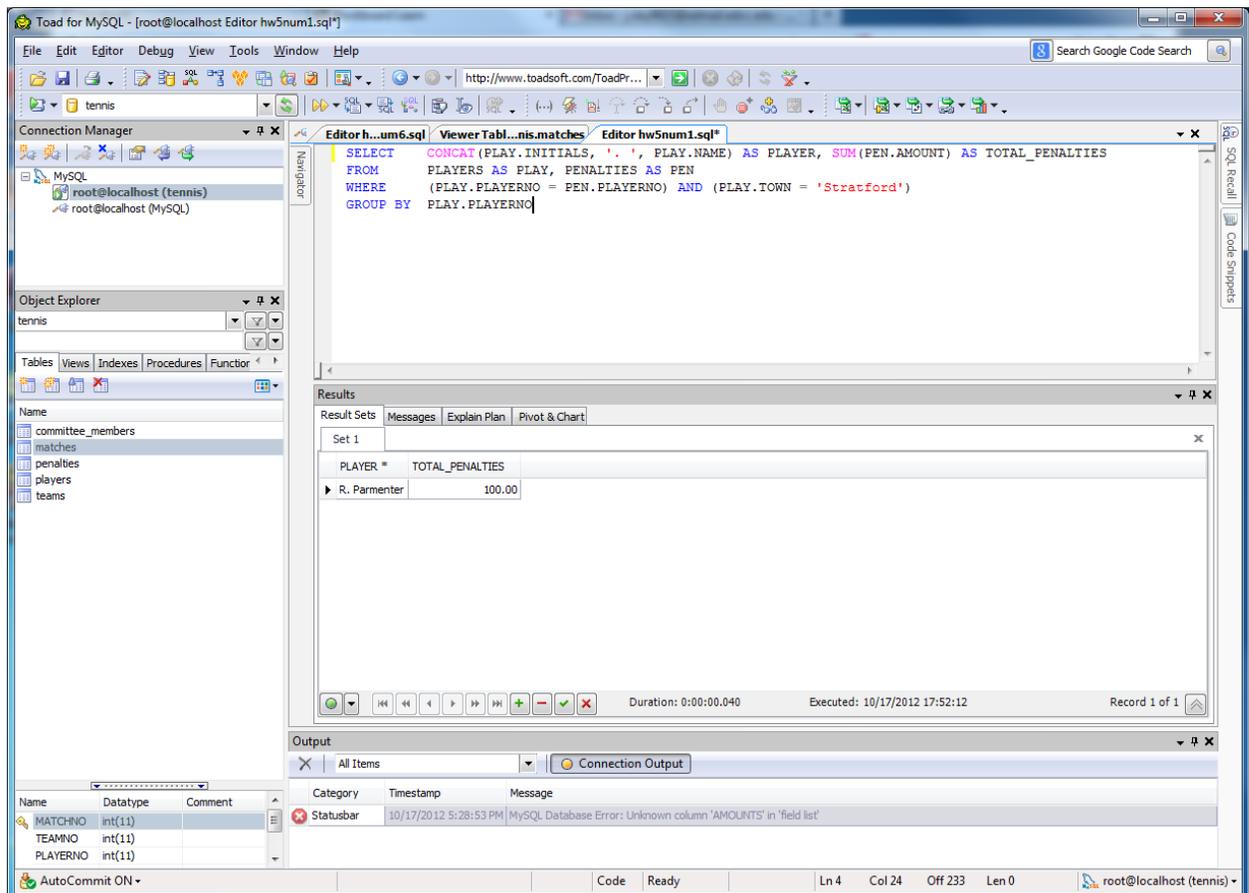
Create the following SQL SELECT statements. If you have added, deleted or changed records within your studies, you will need to create clean database. You will need to drop tennis and reconstruct it from the original instructions in chapter 3 and 4.

While many of these statements might be able to be created without GROUP BY, HAVING, or ORDER BY, this assessment is specifically for these clauses in SQL. You may need to stretch your thinking a little, but be sure that each statement under the GROUP BY header, has a GROUP BY clause; likewise with the HAVING and ORDER by requests.

- Once you have completed each statement, paste the SQL statements into this document along with a screen capture of your results screen. Remember that your statements include the GROUP BY, HAVING and ORDER BY clauses

- **GROUP BY**

1. Find the player name and initials as player, the total number of penalties they have incurred for those players living in Stratford.



2. Find the sum of the penalty amounts, the number of payments and group them by the year that the payment was made.

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Assignment 5 GROUP BY, HAVING and ORDER BY

The screenshot shows the Toad for MySQL interface. The SQL editor contains the following query:

```
SELECT DISTINCT (PAYMENT_DATE), SUM (AMOUNT) AS TOTAL_PAYMENTS, COUNT (PAYMENTNO) AS NUM_PAYMENTS  
FROM PENALTIES  
GROUP BY YEAR (PAYMENT_DATE)
```

The Results pane displays the following data:

PAYMENT_DATE *	TOTAL_PAYMENTS	NUM_PAYMENTS *
12/8/1980 12:00:00 AM	150.00	3
5/5/1981 12:00:00 AM	75.00	1
12/30/1982 12:00:00 AM	30.00	1
9/10/1983 12:00:00 AM	100.00	1
12/8/1984 12:00:00 AM	125.00	2

The Object Explorer shows the following tables:

- committee_members
- matches
- penalties
- players
- teams

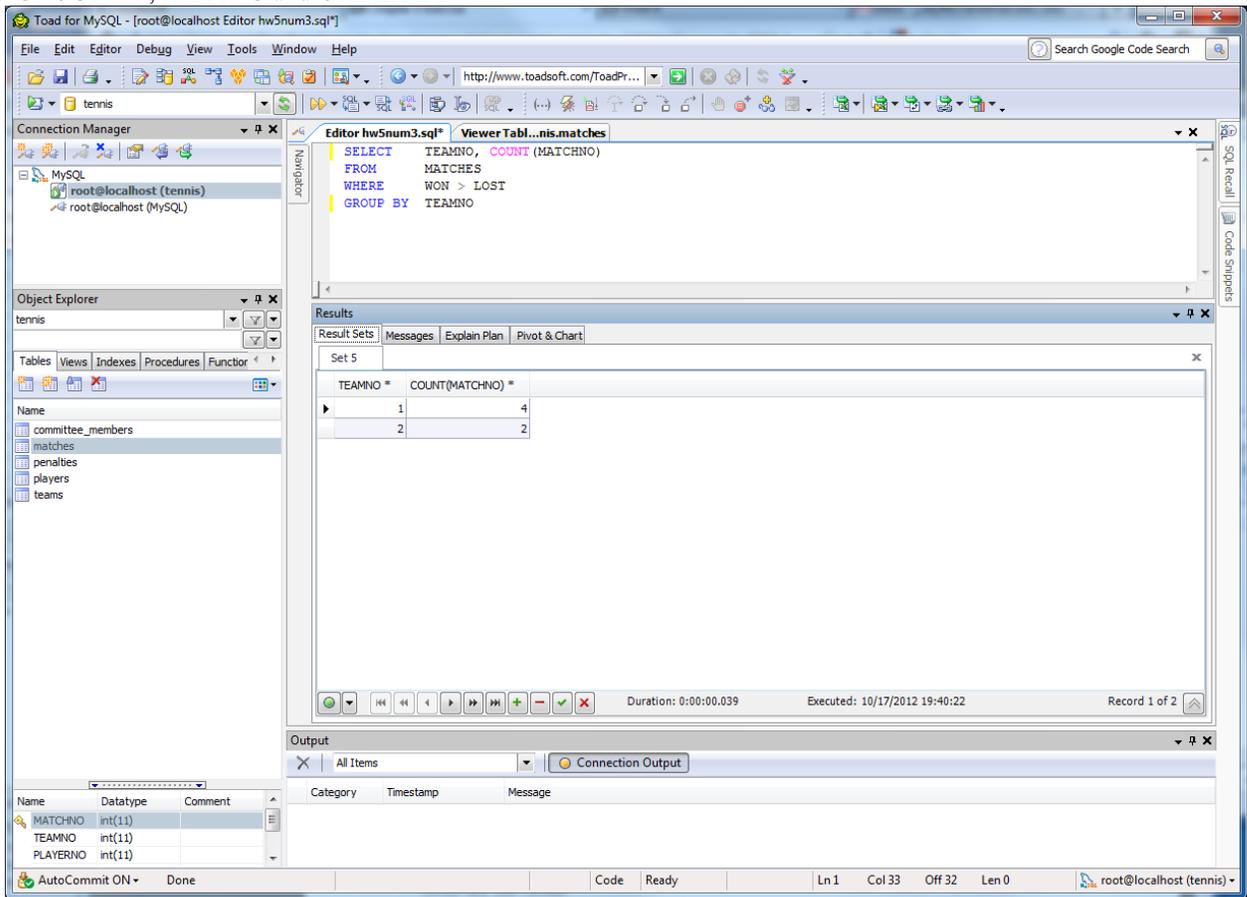
The Output pane shows the following message:

Category	Timestamp	Message
Connection Output		

3. Find the team number and the number of matches where the number of matches won is more than the number matches lost.

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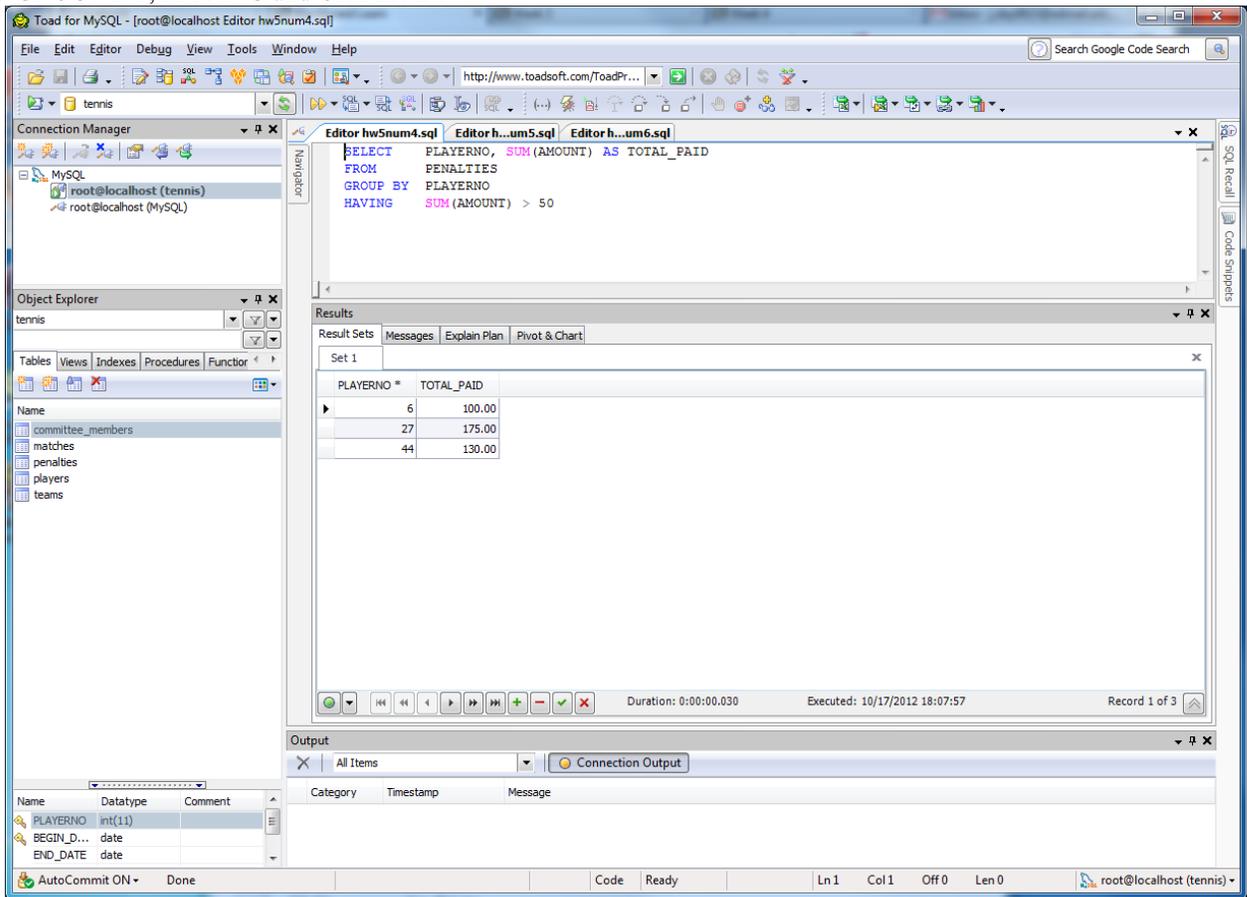
Assignment 5 GROUP BY, HAVING and ORDER BY



- **HAVING**

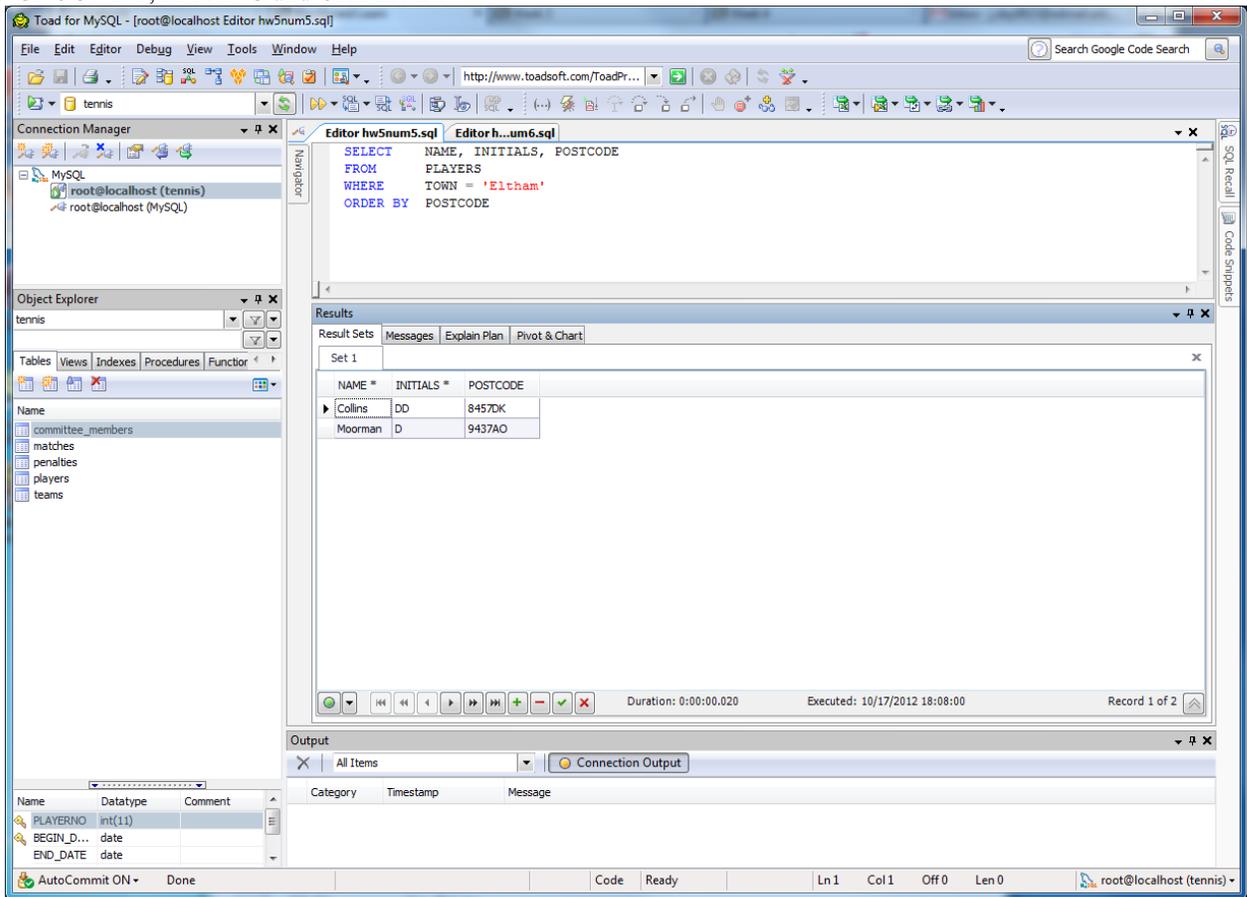
4. Find the player number and the sum of the amounts paid for penalties as total paid where the sum of the amounts is greater than 50.

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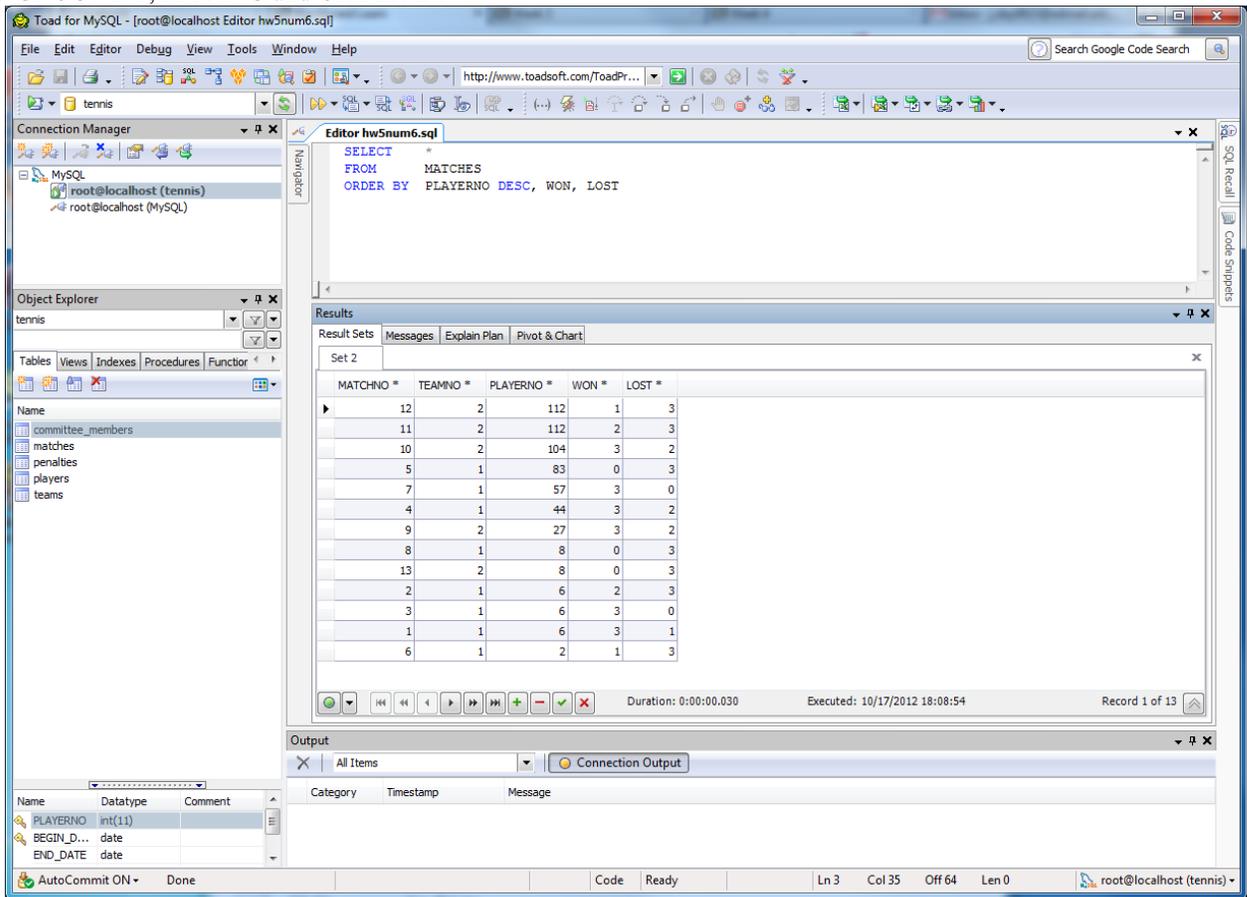
- **ORDER BY**
 5. List all the players by name and initials from Eltham and sort them by postcode.

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- List all the information available from the matches played ordered by the player no in descending order, the number of matches won and the number of matches lost

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Turn in:

- You should turn in **this** Word document with your 6 SQL select statements, and the screen captures.

Where to turn it in:

- Return to Blackboard and turn this in via the link below.