**Lab 4 – SQL**

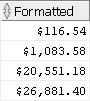
**Each problem is worth one point. This lab is worth a total of 16 points.**

**From this lab forward, please notice if a result table is in a particular order. If it is, you must use the order by clause. Failure to do so will result in 0 points for that specific problem.**

**Place all answers into ONE .sql file and upload to Canvas.**

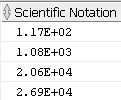
**1. Display formatted invoice totals as dollar amounts. Use the Invoices table.**

**Limit to 10 rows.**

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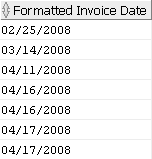
**2. Display invoice totals in scientific notation. Use the Invoices table.**

**Limit to 10 rows.**

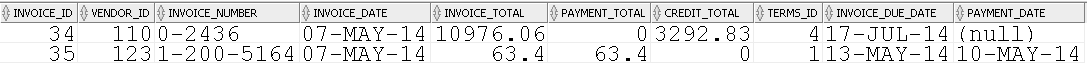
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**3. Display the following result table. Use the Invoices table.**

**Limit to 10 rows.**

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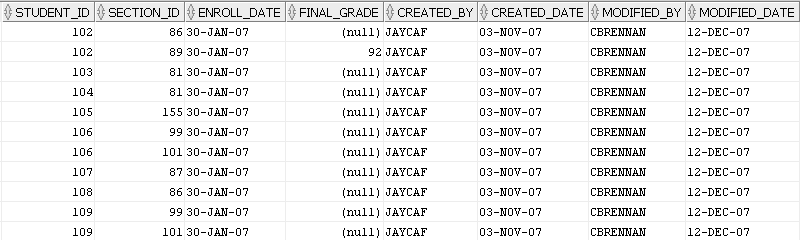
**4. Display the invoices for May 7, 2014. Use the Invoices table.**



**\*\*\*\* Use the Student table space for the following questions \*\*\*\***

**5. Display the enrollment information for students enrolling on January 30, 2007. Use the**

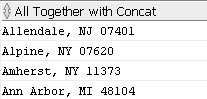
**Enrollment table.**

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**6. Display the city, state and zip as one column. You must use the concat function to receive**

**credit. Use the Zipcode table.**

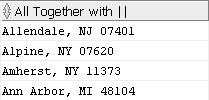
**Limit to 10 rows.**

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**7. Display the city, state and zip as one column. You must use ||’s to receive**

**credit. Use the Zipcode table.**

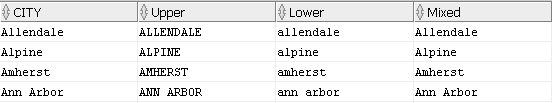
**Limit to 10 rows.**

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**8. Display the city in upper case, lower case and mixed case. You must use one SQL**

**statement only. Use the Zipcode table.**

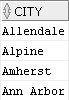
**Limit to 10 rows.**

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**9. Display all cities whose number of characters are between 5 and 9 inclusive. Use the**

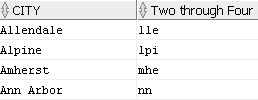
**Zipcode table.**

**Limit to 10 rows.**

****

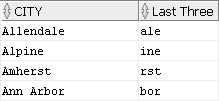
**10. Display the 2nd, 3rd and 4th character of all cities. Use the Zipcode table.**

**Limit to 10 rows.**

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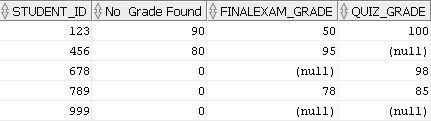
**11. Display the last 3 characters of all cities. Use the Zipcode table.**

**Limit to 10 rows.**

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**12. Display all rows in the Grade\_Summary table. For any null values in the Midterm\_Grade**

**column, display 0. Use the Grade\_Summary table.**

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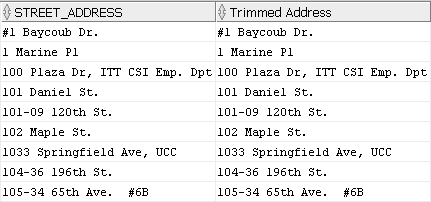
**13. Display all students that are doctors. Replace the Dr. salutation with Doctor. Use the**

**Student table.**

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**14. Remove all spaces at the end of the street address. Use the Student table.**

**Limit to 10 rows.**

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**\*\*\*\* Use the Dual table for the following questions \*\*\*\***

**15. Convert a character string to a number. Use the Dual table.**

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**16. Using the SQRT function, create the following result table. Use the Dual table.**

