**Lab 7 – SQL**

**DUE March 10, 2016**

**Each problem is worth one point. No partial credit will be given. This lab is worth a total of 15 points.**

**Use hostname: classdb.jccc.edu**

**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.**

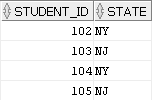
**Place all answers into ONE .sql file. Attach that file to the Dropbox for Lab 7 in D2L. Only one .sql file will be accepted.**

**Table names are not given. You must determine the correct tables.**

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

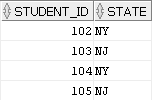
**1. Display the student’s state. You must use the explicit join format.**

**Partial result table (268 rows total)**

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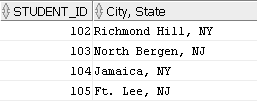
**2. Display the student’s state. You must use the implicit join format.**

**Partial result table (268 rows total)**

****

**3. Display the student’s city and state. You must use the explicit join format.**

**Partial result table (268 rows total)**

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**\*\*\* Use EXPLICIT format whenever joining tables for all remaining problems \*\*\***

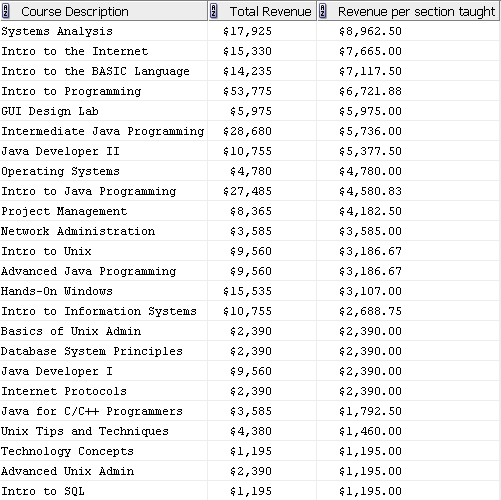
**4. (Instructor table and Section table) Use the MINUS operator to determine if any instructors are**

**not currently teaching any sections. Display the following result table. No points will be given if**

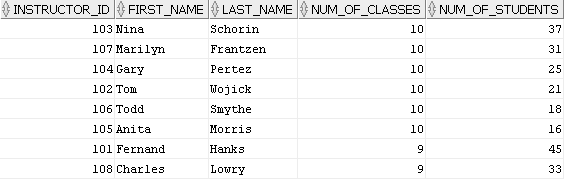
**the MINUS operator is not used.**

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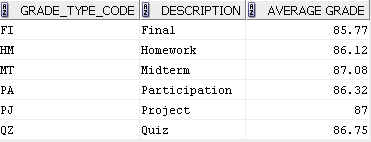
**5. Display the following result table.**

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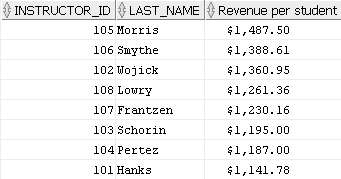
**6. Create the following result table.**

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**7. What is the average numeric grade for all grade types? Display the following result table.**

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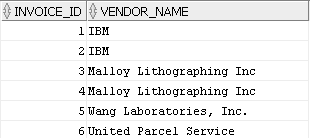
**8. Create the following result table.**

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

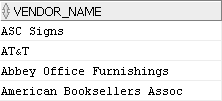
**9. Display the vendor name for all invoices.**

**Partial result table (114 rows total)**

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**10. Display all the different vendor names as per the following result table.**

**Partial result table (122 rows total)**

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**11. Display the vendor name for all invoices. Only include the vendors whose names are between**

**the letters ‘H’ and ‘M’ inclusive.**

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**12. Display the earliest and latest payment dates for all non-null invoices. In addition use the average**

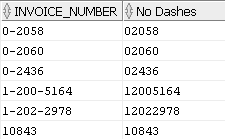
**number of days difference between these two dates to calculate a new date that is exactly**

**between the earliest and latest payment dates as per the result table.**

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**13. Remove the dashes from the invoice number.**

**Partial result table (114 rows total)**

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**14. Display all vendor names that end in either Inc (no period) or Inc. (with a period). In addition the**

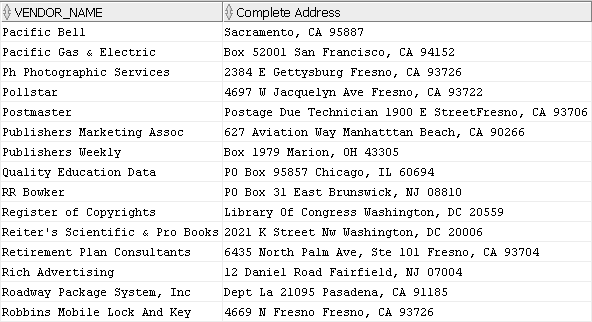
**query must eliminate any vendor names that may start with Inc (no period).**

**Partial result table (15 rows total)**

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**15. Display each vendor’s complete address. Pay attention to the address for Pacific Bell. Notice**

**there are no spaces before this address.**

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