SQL Programming – Level 1 Programming Project 05

# Sorting | Column functions | GROUP BY

***Reminder: read the Project Guidelines document for instructions on how to format and submit your assignments.***

## Part 1 – use either of the Oracle servers for the following problems.

1. Use the sorting capabilities of SQL to prepare a list of all DVDs, sorted by year produced, with the oldest title appearing at the top of the listing. Show the title and year produced.
2. Use the sorting capabilities of SQL to prepare a list of the most recently produced DVDs. Show the newest titles at the top of the report. Show the title and production year.
3. What are the smallest, largest and average values in the movie id column (movie\_ID)? [3 cols]
4. Write a SQL query that will display the smallest, largest and range of values (ie. largest – smallest) for the movie ID field. The range of values is the *difference* between the high and low values, so if the high value were 12, and the low value were 3, the range would be 9. [3 cols]
5. How many movies are there in the database?
6. How many different genre codes are there in the database? The result of your SQL program should be a single row.
7. Display the number of titles in each of the different genre categories. [2 cols]
8. In addition to showing the number of each of the different genre of film, show the cheapest, most expensive and average price of videos in each category. [5 cols]
9. For only those videos that were produced after 1990, show the number of each of the different genre of video, as well as the cheapest, most expensive and average cost of videos for each category.
10. For only those films that were produced after 1990, show the number of each of the different genre of film, as well as the cheapest, most expensive and average cost of film for each category. Only display those genre that include a dozen or more titles.
11. How much money was spent on the entire movie collection?

## Part 2 – use the MySQL database server for the following problems.

1. How much was spent on just the science fiction part of the collection?
2. What was the average price of the movies? [1 cols]
3. What is the average price of science fiction movies? [1 cols]
4. Display the number of titles, as well as the names of each of the titles for each of the different genre categories. [3 cols]