**Name:** Aaron Lim

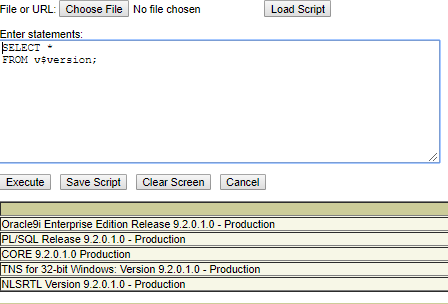
SQL Programming – Level 1 Programming Project 02

*Simple comparisons | Boolean operators | Numeric operations*

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

## Part 1 – use the Oracle 9i server for these problems.

**Demonstrate that you are using the Oracle 9i server by issuing:**  
SELECT \*   
FROM v$version;

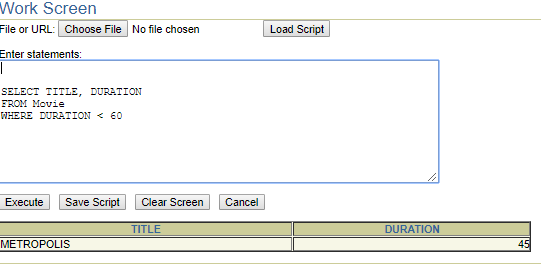


1. **List the name and running time (duration) for all movies whose running time is less than 60 minutes.**

SELECT TITLE, DURATION

FROM Movie

WHERE DURATION < 60

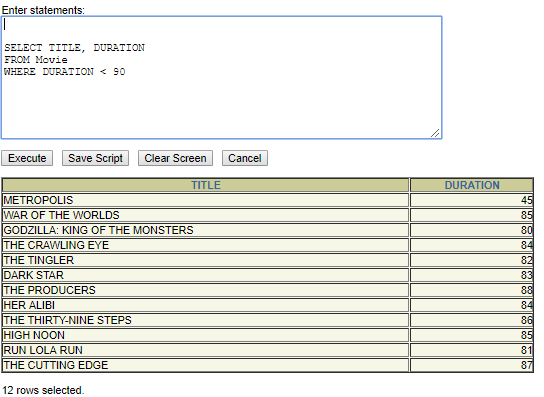


1. **List the name and running time for all movies whose running time is less than 90 minutes.**

SELECT TITLE, DURATION

FROM Movie

WHERE DURATION < 90

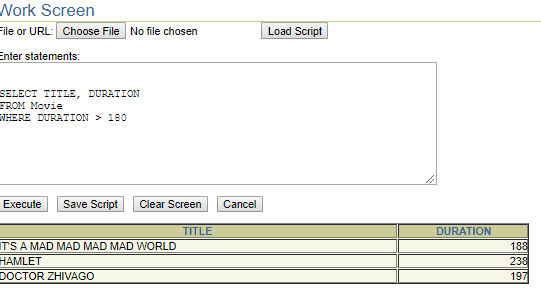


1. **List the name and running time for all movies whose running time is longer than 3 hours.**

SELECT TITLE, DURATION

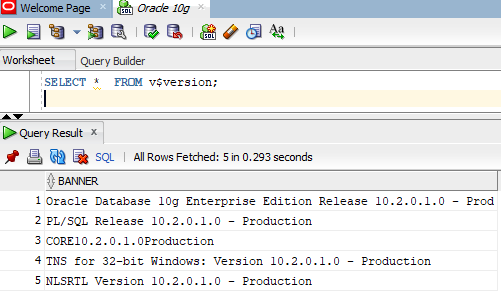
FROM Movie

WHERE DURATION > 180



## Part 2 – use the Oracle 10g server for these problems.

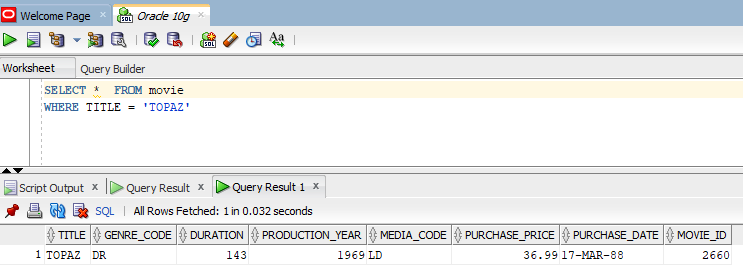
**Demonstrate that you are using the Oracle 10g server by issuing:**

SELECT \* FROM v$version;  


1. **List all of the information about the movie TOPAZ (ie. The movie title is Topaz)**

SELECT \* FROM movie

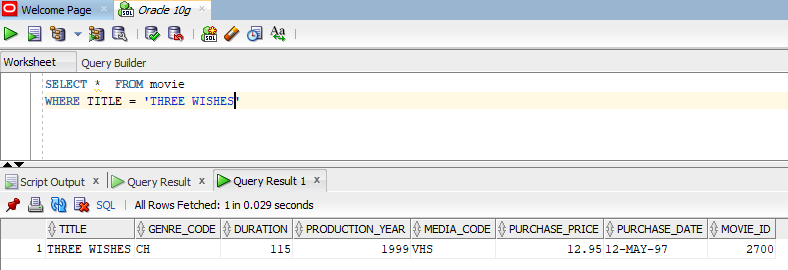
WHERE TITLE = 'TOPAZ'



1. **List all of the information that is available about the movie Three Wishes.**

SELECT \* FROM movie

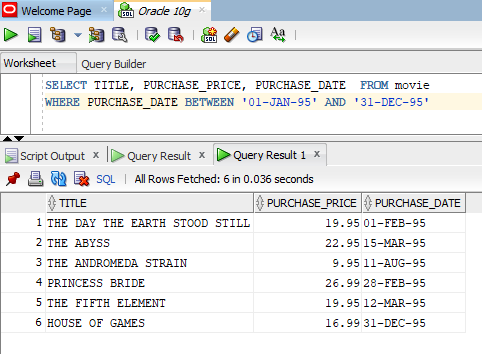
WHERE TITLE = 'THREE WISHES'



1. **List the title, cost, and date of purchase for all movies purchased during 1995.**

SELECT TITLE, PURCHASE\_PRICE, PURCHASE\_DATE FROM movie

WHERE PURCHASE\_DATE BETWEEN '01-JAN-95' AND '31-DEC-95'

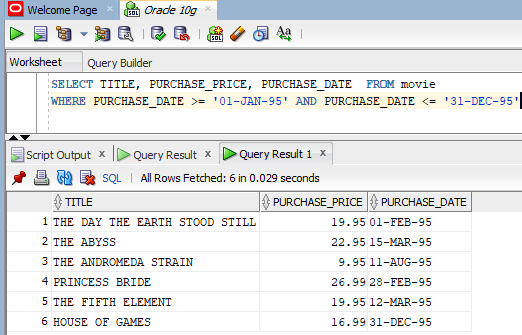


1. **Do it again. List the title, cost, and purchase date for all movies purchased during 1995. But this time, use a different predicate (comparison expression)**

**for this solution than you did with the last problem.**

SELECT TITLE, PURCHASE\_PRICE, PURCHASE\_DATE FROM movie

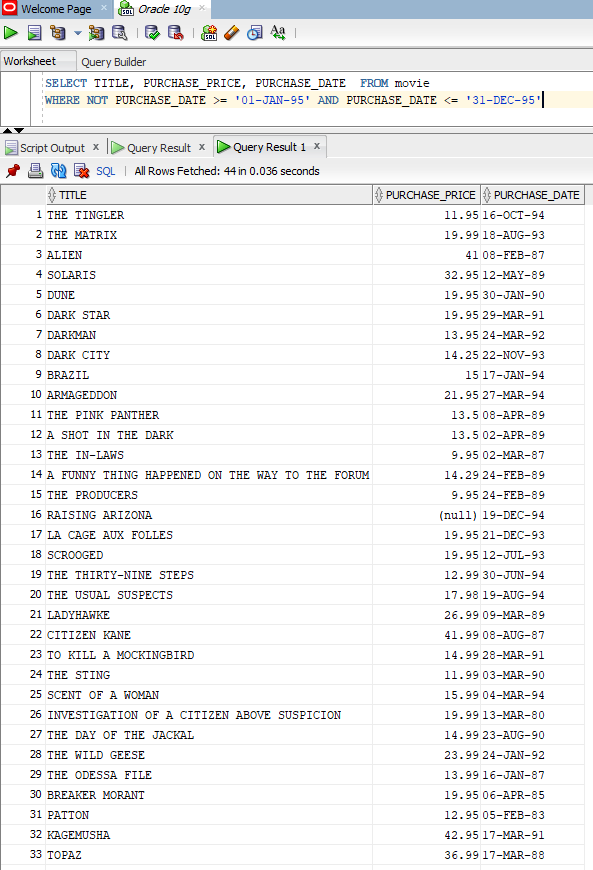
WHERE PURCHASE\_DATE >= '01-JAN-95' AND PURCHASE\_DATE <= '31-DEC-95'

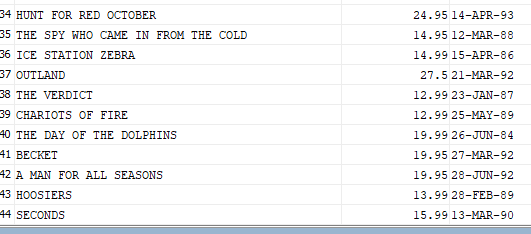


1. **List the title, purchase price, and purchase date for all movies that were NOT purchased during 1995.**

SELECT TITLE, PURCHASE\_PRICE, PURCHASE\_DATE FROM movie

WHERE NOT PURCHASE\_DATE >= '01-JAN-95' AND PURCHASE\_DATE <= '31-DEC-95

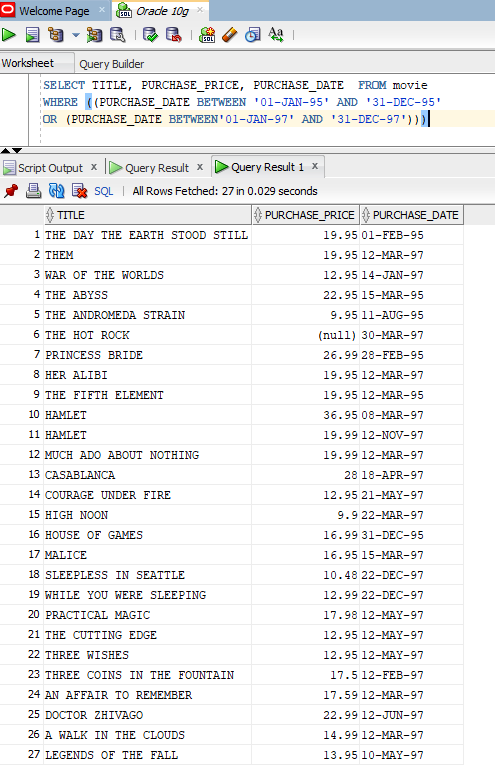




1. **List the title, cost, and purchase date for all movies purchased during 1995 or 1997.**

SELECT TITLE, PURCHASE\_PRICE, PURCHASE\_DATE FROM movie

WHERE ((PURCHASE\_DATE BETWEEN '01-JAN-95' AND '31-DEC-95' OR (PURCHASE\_DATE BETWEEN '01-JAN-97' AND '31-DEC-97')))

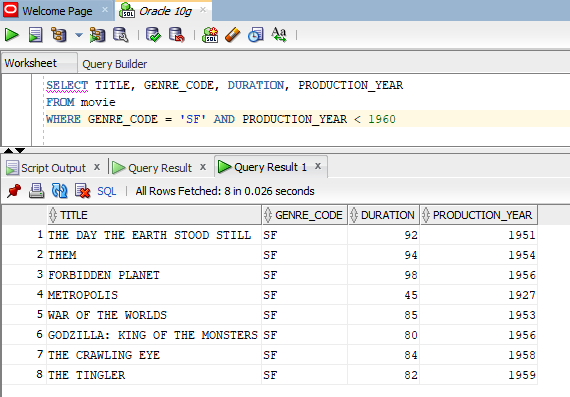


1. **List the title, genre, duration and year produced for all of the science fiction films (genre=sf) that were produced before 1960.**

SELECT TITLE, GENRE\_CODE, DURATION, PRODUCTION\_YEAR

FROM movie

WHERE GENRE\_CODE = 'SF' AND PRODUCTION\_YEAR < 1960

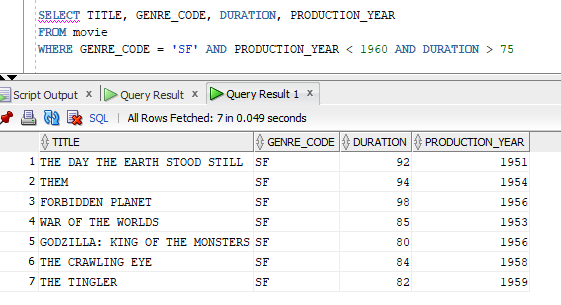


1. **List the title, genre, length and production year for all of the science fiction films that were produced before 1960, with a running time of more than 75 minutes.**

SELECT TITLE, GENRE\_CODE, DURATION, PRODUCTION\_YEAR

FROM movie

WHERE GENRE\_CODE = 'SF' AND PRODUCTION\_YEAR < 1960 AND DURATION > 7

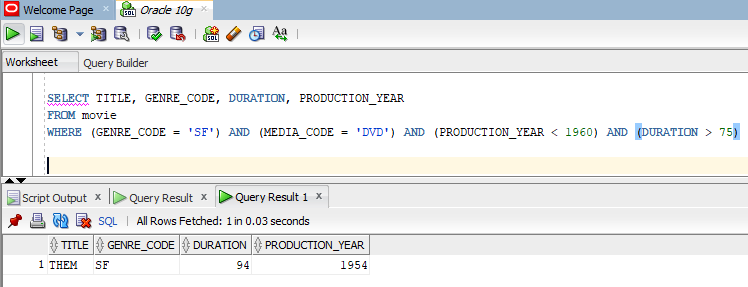


1. **List the title, genre, length and year produced for all of the science fiction films on DVD, that were produced before 1960, with a running time of more than 75 minutes.**

SELECT TITLE, GENRE\_CODE, DURATION, PRODUCTION\_YEAR

FROM movie

WHERE (GENRE\_CODE = 'SF') AND (MEDIA\_CODE = 'DVD') AND (PRODUCTION\_YEAR < 1960) AND (DURATION > 75)



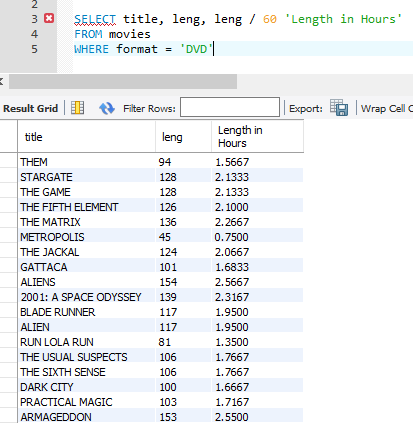
***Part 3 – use the MySQL server for these problems***

1. **List the title, length, and the length in hours (divide by 60) for all DVDs in the collection. Name the new column Length in Hours.**

SELECT title, leng, leng / 60 'Length in Hours'

FROM movies

WHERE format = 'DVD'

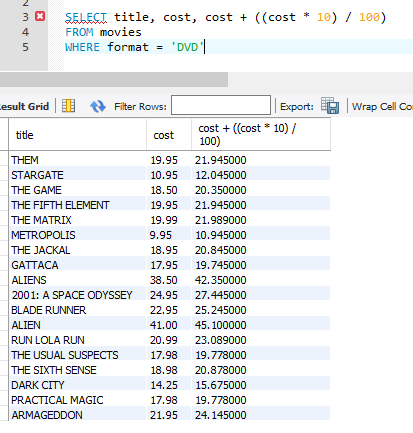


1. **List the title, cost, and cost plus 10% for all DVDs.**

SELECT title, cost, cost + ((cost \* 10) / 100)

FROM movies

WHERE format = 'DVD'



1. **List the title, cost, and cost plus 10% for all DVDs that are over 2 hours long.**

SELECT title, cost, cost + ((cost \* 10) / 100)

FROM movies

WHERE (format = 'DVD') and (leng > 120)

