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SQL Programming – Level 1

Programming Project 04

*Regular Expressions | Functions*

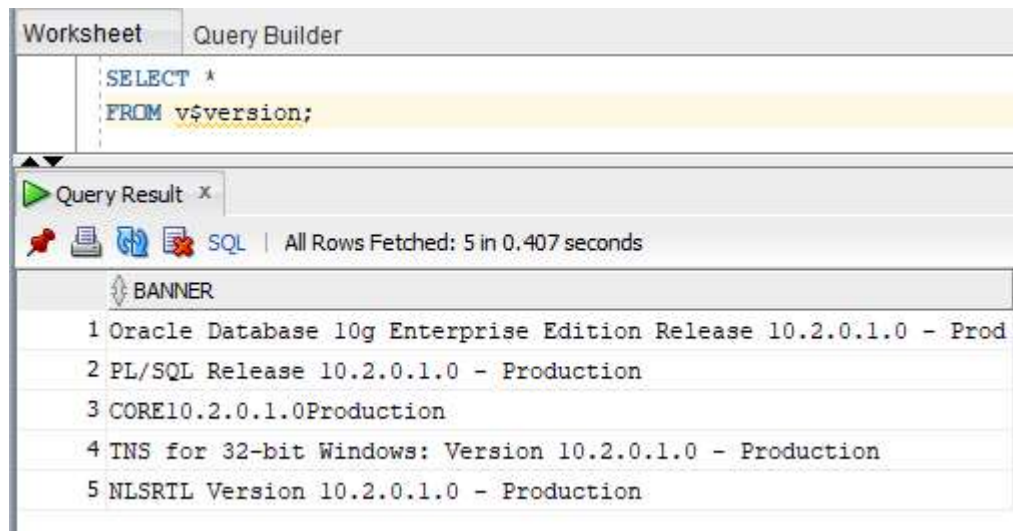
***Reminder: read the Project Guidelines document for instructions on how to format and submit your assignments.***

***Part 1 – use the Oracle 10g server for the following questions.***

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

```
SELECT *
```

```
FROM v$instance;
```



1. Use the regular expression feature of Oracle to find all movies whose title includes the **word** 'the'.

```
SELECT * FROM movie
```

```
WHERE REGEXP_LIKE (UPPER(title),UPPER('the'))
```

Worksheet

Query Builder

```
SELECT * FROM movie
WHERE REGEXP_LIKE (UPPER(title),UPPER('the'))
```

Query Result x

All Rows Fetched: 40 in 0.024 seconds

TITLE	GENRE_CODE	DURATION	PRODUCTION_YEAR	MEDIA_CODE	PURCHASE_PRICE	PURCHASE_DATE	MOVIE_ID
1 THE DAY THE EARTH STOOD STILL	SF	92	1951 LD		19.95	01-FEB-95	1001
2 THEM	SF	94	1954 DVD		19.95	12-MAR-97	1100
3 THE TERMINATOR	SF	108	1984 LD		27.95	01-NOV-96	1600
4 WAR OF THE WORLDS	SF	85	1953 VHS		12.95	14-JAN-97	1200
5 THE TIME MACHINE	SF	103	1960 VHS		11.95	15-JAN-98	2110
6 GODZILLA: KING OF THE MONSTERS	SF	80	1956 VHS		10.95	06-MAR-98	1006
7 THE CRAWLING EYE	SF	84	1958 VHS		11.95	24-MAR-98	2220
8 THE TINGLER	SF	82	1959 VHS		11.95	16-OCT-94	1009
9 THE MATRIX	SF	136	1999 DVD		19.99	18-AUG-93	1423
10 THE ABYSS	SF	146	1989 LD		22.95	15-MAR-95	2852
11 THE HIDDEN	SF	96	1987 VHS		10.95	12-DEC-96	1851
12 THE ANDROMEDA STRAIN	SF	131	1971 VHS		9.95	11-AUG-95	2330
13 THE PINK PANTHER	COM	113	1963 VHS		13.5	08-APR-89	2823
14 A SHOT IN THE DARK	COM	102	1964 VHS		13.5	02-APR-89	2601
15 THE IN-LAWS	COM	103	1979 VHS		9.95	02-MAR-87	1223
16 A FUNNY THING HAPPENED ON THE WAY TO THE FORUM	COM	99	1966 VHS		14.29	24-FEB-89	2751
17 THE PRODUCERS	COM	88	1968 VHS		9.95	24-FEB-89	1601
18 THE HOT ROCK	COM	105	1972 VHS		(null)	30-MAR-97	1330
19 THE ZERO EFFECT	COM	126	1998 VHS		19.95	23-JUN-19	2623
20 THE FIFTH ELEMENT	COM	126	1997 DVD		19.95	12-MAR-95	1414
21 THE TAMING OF THE SHREW	SH	(null)	(null) VHS		17.99	13-FEB-98	2020
22 IN THE LINE OF FIRE	DR	138	1993 LD			22-11-MAR-96	2651
23 THE THIRTY-NINE STEPS	DR	86	1935 VHS		12.99	30-JUN-94	1701
24 THE THIRTY-NINE STEPS	DR	(null)	1978 VHS		15.99	29-MAY-96	2200
25 THE USUAL SUSPECTS	DR	106	1999 DVD		17.98	19-AUG-94	2550
26 THE STING	DR	129	1973 VHS		11.99	03-MAR-90	1801
27 THE JACKAL	DR	124	1997 DVD		18.95	14-MAR-00	1550
28 THE DAY OF THE JACKAL	DR	142	1973 VHS		14.99	23-AUG-90	1717
29 THE WILD GEESSE	DR	124	1978 VHS		23.99	24-JAN-92	2551
30 THE DOGS OF WAR	DR	118	1980 VHS		17.99	30-MAR-98	1818
31 THE ODESSA FILE	DR	130	1974 VHS		13.99	16-JAN-87	1551
32 THE SPY WHO CAME IN FROM THE COLD	DR	(null)	1965 VHS		14.95	12-MAR-88	2123
33 THE VERDICT	DR	129	1982 VHS		12.99	23-JAN-87	1660
34 THE DAY OF THE DOLPHINS	DR	104	1973 VHS		19.99	26-JUN-84	1292
35 THE GAME	DR	128	1997 DVD		18.5	11-JUL-99	1282
36 THE SIXTH SENSE	DR	106	1999 DVD		18.98	14-MAY-00	2727
37 THE CUTTING EDGE	CH	87	1992 VHS		12.95	12-MAY-97	1770
38 THREE COINS IN THE FOUNTAIN	CH	102	1994 VHS		17.5	12-FEB-97	1823
39 A WALK IN THE CLOUDS	CH	98	1999 VHS		14.99	12-MAR-97	1351
40 LEGENDS OF THE FALL	CH	133	1999 VHS		13.95	10-MAY-97	1451

- Use the regular expression feature of Oracle to find all movies whose title includes a single word.

```
SELECT * FROM movie
```

```
WHERE REGEXP_LIKE( title, '[A-Z]')
```

Worksheet

Query Builder

SELECT \* FROM movie  
WHERE REGEXP\_LIKE(title, '[A-Z]')

Query Result x

SQL

| Fetched 50 rows in 0.025 seconds

	TITLE	GENRE_CODE	DURATION	PRODUCTION_YEAR	MEDIA_CODE	PURCHASE_PRICE	PURCHASE_DATE	MOVIE_ID
1	THE DAY THE EARTH STOOD STILL	SF	92	1951	LD	19.95	01-FEB-95	1001
2	THEM	SF	94	1954	DVD	19.95	12-MAR-97	1100
3	2001: A SPACE ODYSSEY	SF	139	1968	DVD	24.95	13-APR-98	2000
4	FORBIDDEN PLANET	SF	98	1956	LD	26.95	02-MAY-98	1300
5	METROPOLIS	SF	45	1927	DVD	9.95	22-MAR-99	1500
6	THE TERMINATOR	SF	108	1984	LD	27.95	01-NOV-96	1600
7	TERMINATOR 2: JUDGEMENT DAY	SF	(null)	1991	LD	27.95	30-MAY-96	2100
8	WAR OF THE WORLDS	SF	85	1953	VHS	12.95	14-JAN-97	1200
9	THE TIME MACHINE	SF	103	1960	VHS	11.95	15-JAN-98	2110
10	STARMAN	SF	115	1984	LD	24.95	16-FEB-98	2501
11	FARENHEIT 451	SF	112	1966	LD	19.95	16-FEB-99	1400
12	STARGATE	SF	128	1994	DVD	10.95	08-MAY-00	1110
13	GODZILLA: KING OF THE MONSTERS	SF	80	1956	VHS	10.95	06-MAR-98	1006
14	BLADE RUNNER	SF	117	1982	DVD	22.95	18-DEC-99	2006
15	GATTACA	SF	101	1997	DVD	17.95	12-JUN-99	1700
16	SOYLENT GREEN	SF	97	1973	LD	28.95	19-JUN-99	1501
17	THE CRAWLING EYE	SF	84	1958	VHS	11.95	24-MAR-98	2220
18	THE TINGLER	SF	82	1959	VHS	11.95	16-OCT-94	1009
19	THE MATRIX	SF	136	1999	DVD	19.99	18-AUG-93	1423
20	ALIEN	SF	117	1979	DVD	41.08	08-FEB-87	2401
21	ALIENS	SF	154	1986	DVD	38.5	09-JUN-98	1800
22	SOLARIS	SF	132	1972	LD	32.95	12-MAY-89	1220
23	DUNE	SF	137	1984	VHS	19.95	30-JAN-90	2009
24	DARK STAR	SF	83	1973	VHS	19.95	29-MAR-91	1323
25	DAREMAN	SF	96	1990	VHS	13.95	24-MAR-92	1401
26	DARK CITY	SF	100	1998	DVD	14.25	22-NOV-93	2851
27	BRAZIL	SF	131	1985	VHS	15.17	01-JAN-94	1212
28	THE ABYSS	SF	146	1989	LD	22.95	15-MAR-95	2852
29	THE HIDDEN	SF	96	1987	VHS	10.95	12-DEC-96	1851
30	THE ANDROMEDA STRAIN	SF	131	1971	VHS	9.95	11-AUG-95	2330
31	ARMAGEDDON	SF	153	1998	DVD	21.95	27-MAR-94	2923
32	THE PINK PANTHER	COM	113	1963	VHS	13.5	08-APR-89	2823
33	A SHOT IN THE DARK	COM	102	1964	VHS	13.5	02-APR-89	2601
34	THE IN-LAWS	COM	103	1979	VHS	9.95	02-MAR-87	1223
35	A FUNNY THING HAPPENED ON THE WAY TO THE FORUM	COM	99	1966	VHS	14.29	24-FEB-89	2751

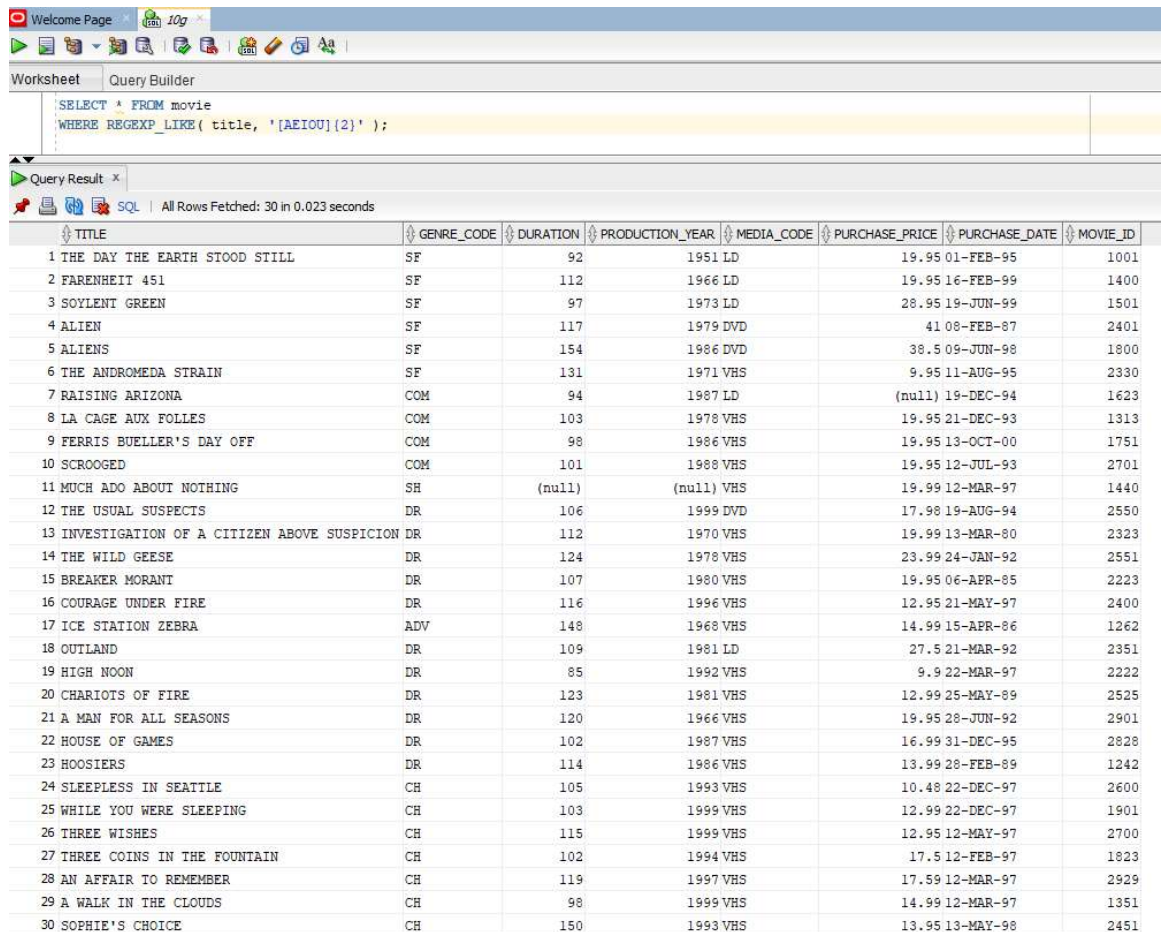




3. Use the regular expression feature of Oracle to find all movies whose title includes a word with a double vowel sequence, For example: 'ie', 'ee', 'oa' ....

```
SELECT * FROM movie
```

```
WHERE REGEXP_LIKE( title, '[AEIOU]{2}' );
```



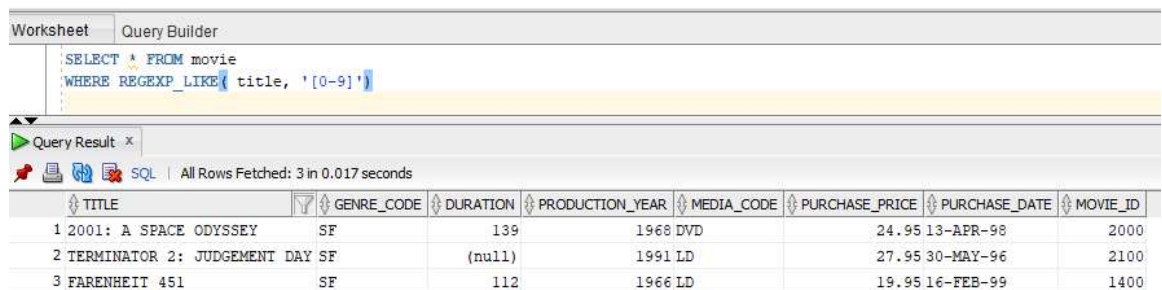
The screenshot shows the Oracle SQL Developer interface. The 'Query Builder' tab is active, displaying the query: `SELECT * FROM movie WHERE REGEXP_LIKE( title, '[AEIOU]{2}' );`. The 'Query Result' tab shows 30 rows of data. The columns are: TITLE, GENRE\_CODE, DURATION, PRODUCTION\_YEAR, MEDIA\_CODE, PURCHASE\_PRICE, PURCHASE\_DATE, and MOVIE\_ID. The results list movies such as 'THE DAY THE EARTH STOOD STILL', 'FARENHEIT 451', 'SOYLENT GREEN', 'ALIEN', 'ALIENS', 'THE ANDROMEDA STRAIN', 'RAISING ARIZONA', 'LA CAGE AUX FOLLES', 'FERRIS BUELLER'S DAY OFF', 'SCROOGED', 'MUCH ADO ABOUT NOTHING', 'THE USUAL SUSPECTS', 'INVESTIGATION OF A CITIZEN ABOVE SUSPICION', 'THE WILD GEESE', 'BREAKER MORANT', 'COURAGE UNDER FIRE', 'ICE STATION ZEBRA', 'OUTLAND', 'HIGH NOON', 'CHARIOTS OF FIRE', 'A MAN FOR ALL SEASONS', 'HOUSE OF GAMES', 'HOOSIERS', 'SLEEPLESS IN SEATTLE', 'WHILE YOU WERE SLEEPING', 'THREE WISHES', 'THREE COINS IN THE FOUNTAIN', 'AN AFFAIR TO REMEMBER', 'A WALK IN THE CLOUDS', and 'SOPHIE'S CHOICE'.

TITLE	GENRE_CODE	DURATION	PRODUCTION_YEAR	MEDIA_CODE	PURCHASE_PRICE	PURCHASE_DATE	MOVIE_ID
1 THE DAY THE EARTH STOOD STILL	SF	92	1951 LD		19.95	01-FEB-95	1001
2 FARENHEIT 451	SF	112	1966 LD		19.95	16-FEB-99	1400
3 SOYLENT GREEN	SF	97	1973 LD		28.95	19-JUN-99	1501
4 ALIEN	SF	117	1979 DVD		41.08	08-FEB-87	2401
5 ALIENS	SF	154	1986 DVD		38.50	09-JUN-98	1800
6 THE ANDROMEDA STRAIN	SF	131	1971 VHS		9.95	11-AUG-95	2330
7 RAISING ARIZONA	COM	94	1987 LD		(null)	19-DEC-94	1623
8 LA CAGE AUX FOLLES	COM	103	1978 VHS		19.95	21-DEC-93	1313
9 FERRIS BUELLER'S DAY OFF	COM	98	1986 VHS		19.95	13-OCT-00	1751
10 SCROOGED	COM	101	1988 VHS		19.95	12-JUL-93	2701
11 MUCH ADO ABOUT NOTHING	SH	(null)	(null) VHS		19.99	12-MAR-97	1440
12 THE USUAL SUSPECTS	DR	106	1999 DVD		17.98	19-AUG-94	2550
13 INVESTIGATION OF A CITIZEN ABOVE SUSPICION	DR	112	1970 VHS		19.99	13-MAR-80	2323
14 THE WILD GEESE	DR	124	1978 VHS		23.99	24-JAN-92	2551
15 BREAKER MORANT	DR	107	1980 VHS		19.95	06-APR-85	2223
16 COURAGE UNDER FIRE	DR	116	1996 VHS		12.95	21-MAY-97	2400
17 ICE STATION ZEBRA	ADV	148	1968 VHS		14.99	15-APR-86	1262
18 OUTLAND	DR	109	1981 LD		27.50	21-MAR-92	2351
19 HIGH NOON	DR	85	1992 VHS		9.9	22-MAR-97	2222
20 CHARIOTS OF FIRE	DR	123	1981 VHS		12.99	25-MAY-89	2525
21 A MAN FOR ALL SEASONS	DR	120	1966 VHS		19.95	28-JUN-92	2901
22 HOUSE OF GAMES	DR	102	1987 VHS		16.99	31-DEC-95	2828
23 HOOSIERS	DR	114	1986 VHS		13.99	28-FEB-89	1242
24 SLEEPLESS IN SEATTLE	CH	105	1993 VHS		10.48	22-DEC-97	2600
25 WHILE YOU WERE SLEEPING	CH	103	1999 VHS		12.99	22-DEC-97	1901
26 THREE WISHES	CH	115	1999 VHS		12.95	12-MAY-97	2700
27 THREE COINS IN THE FOUNTAIN	CH	102	1994 VHS		17.50	12-FEB-97	1823
28 AN AFFAIR TO REMEMBER	CH	119	1997 VHS		17.59	12-MAR-97	2929
29 A WALK IN THE CLOUDS	CH	98	1999 VHS		14.99	12-MAR-97	1351
30 SOPHIE'S CHOICE	CH	150	1993 VHS		13.95	13-MAY-98	2451

4. Use the regular expression feature of Oracle to find all movies that include a number (ie. any numeric digit) as part of the title.

```
SELECT * FROM movie
```

```
WHERE REGEXP_LIKE( title, '[0-9]' )
```



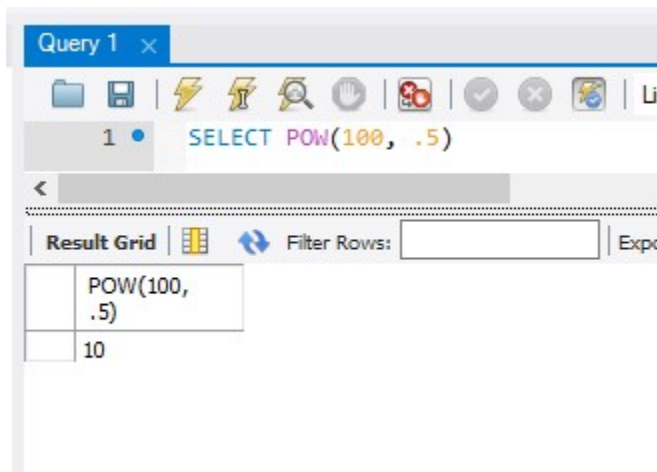
The screenshot shows the Oracle SQL Developer interface. The 'Query Builder' tab is active, displaying the query: `SELECT * FROM movie WHERE REGEXP_LIKE( title, '[0-9]' )`. The 'Query Result' tab shows 3 rows of data. The columns are: TITLE, GENRE\_CODE, DURATION, PRODUCTION\_YEAR, MEDIA\_CODE, PURCHASE\_PRICE, PURCHASE\_DATE, and MOVIE\_ID. The results list movies: '2001: A SPACE ODYSSEY', 'TERMINATOR 2: JUDGEMENT DAY', and 'FARENHEIT 451'.

TITLE	GENRE_CODE	DURATION	PRODUCTION_YEAR	MEDIA_CODE	PURCHASE_PRICE	PURCHASE_DATE	MOVIE_ID
1 2001: A SPACE ODYSSEY	SF	139	1968 DVD		24.95	13-APR-98	2000
2 TERMINATOR 2: JUDGEMENT DAY	SF	(null)	1991 LD		27.95	30-MAY-96	2100
3 FARENHEIT 451	SF	112	1966 LD		19.95	16-FEB-99	1400

**Part 2 – use the MySQL server for the remaining questions.**

5. Use the POW function to calculate the square root of 100 (ie. Raised to the  $\frac{1}{2}$  power)

**SELECT POW(100, .5)**



6. Use an appropriate MySQL string function to display the title and the single leftmost character of the genre for all of the movies in the collection.

SELECT title, LEFT(genre, 1)

FROM movies

```
2
3 SELECT title, LEFT(genre, 1)
4 FROM movies
5
```

Result Grid |   Filter Rows:  | Exp

title	LEFT(genre, 1)
THE DAY THE EARTH STOOD STILL	S
GODZILLA: KING OF THE MONSTERS	S
THE TINGLER	S
THEM	S
STARGATE	S
PRINCESS BRIDE	C
WAR OF THE WORLDS	S
BRAZIL	S
SOLARIS	S
THE IN-LAWS	C
HOOSIERS	D
ICE STATION ZEBRA	A
THE GAME	D
THE DAY OF THE DOLPHINS	D
FORBIDDEN PLANET	S
LA CAGE AUX FOLLES	C
DARK STAR	S
THE HOT ROCK	C
A WALK IN THE CLOUDS	C
FARENHEIT 451	S
DARKMAN	S
THE FIFTH ELEMENT	C
THE MATRIX	S
MUCH ADO ABOUT NOTHING	S
LEGENDS OF THE FALL	C
METROPOLIS	S
SOYLENT GREEN	S
HAMLET	S
HAMLET	S
THE JACKAL	D
THE ODESSA FILE	D
THE TERMINATOR	S
THE PRODUCERS	C
PATTON	D
CITIZEN KANE	D
RAISING ARIZONA	C
TO KILL A MOCKINGBIRD	D
THE VERDICT	D
GATTACA	S
THE THIRTY-NINE STEPS	D
THE DAY OF THE JACKAL	D
DOCTOR ZHIVAGO	C

	title	LEFT(genre, 1)
	FERRIS BUELLER'S DAY OFF	C
	THE CUTTING EDGE	C
	ALIENS	S
	THE STING	D
	THE DOGS OF WAR	D
	THREE COINS IN THE FOUNTAIN	C
	THE HIDDEN	S
	WHILE YOU WERE SLEEPING	C
	CASABLANCA	D
	SECONDS	D
	2001: A SPACE ODYSSEY	S
	BLADE RUNNER	S
	DUNE	S
	THE TAMING OF THE SHREW	S
	BECKET	D
	TERMINATOR 2: JUDGEMENT DAY	S
	THE TIME MACHINE	S
	HUNT FOR RED OCTOBER	D
	THE SPY WHO CAME IN FROM THE ...	D
	THE THIRTY-NINE STEPS	D
	THE CRAWLING EYE	S
	HIGH NOON	D
	BREAKER MORANT	D
	SCENT OF A WOMAN	D
	INVESTIGATION OF A CITIZEN ABO...	D
	THE ANDROMEDA STRAIN	S
	OUTLAND	D
	COURAGE UNDER FIRE	D
	ALIEN	S
	LADYHAWKE	D
	HER ALIBI	C
	SOPHIE'S CHOICE	C
	RUN LOLA RUN	D
	STARMAN	S
	A LIFE LESS ORDINARY	C
	CHARIOTS OF FIRE	D
	THE USUAL SUSPECTS	D
	THE WILD GEESE	D
	SLEEPLESS IN SEATTLE	C
	A SHOT IN THE DARK	C
	THE ZERO EFFECT	C
	IN THE LINE OF FIRE	D
	TOPAZ	D
	THREE WISHES	C
	CROSSING	C

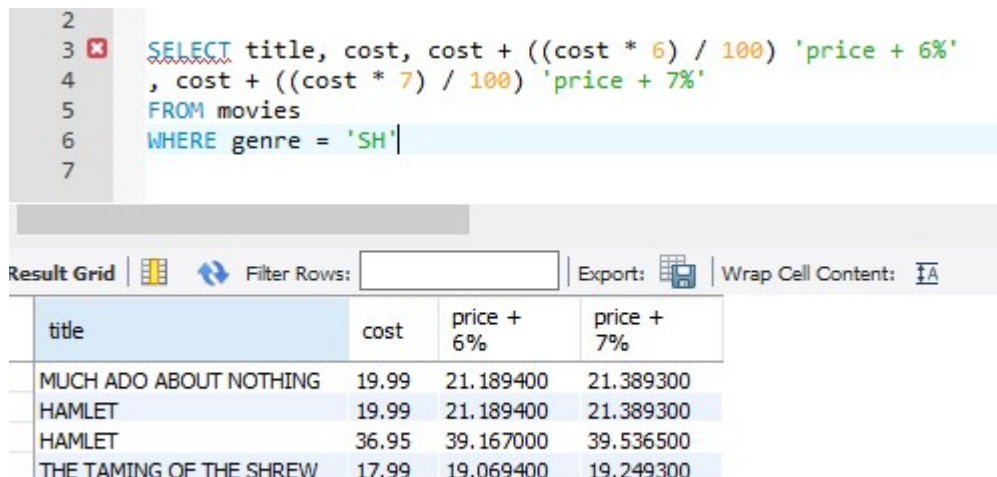


7. For all of the Shakespeare titles in the collection, show the title, purchase price, and price + 6% and price + 7%. Use an appropriate title for the calculated columns. [4 cols]

```
SELECT title, cost, cost + ((cost * 6) / 100) 'price + 6%', cost + ((cost * 7) / 100) 'price + 7%'
```

```
FROM movies
```

```
WHERE genre = 'SH'
```



```
2
3 SELECT title, cost, cost + ((cost * 6) / 100) 'price + 6%'
4 , cost + ((cost * 7) / 100) 'price + 7%'
5 FROM movies
6 WHERE genre = 'SH'
7
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

title	cost	price + 6%	price + 7%
MUCH ADO ABOUT NOTHING	19.99	21.189400	21.389300
HAMLET	19.99	21.189400	21.389300
HAMLET	36.95	39.167000	39.536500
THE TAMING OF THE SHREW	17.99	19.069400	19.249300

8. For all of the Shakespeare titles in the collection, show the title, purchase price, and price + 6% and price + 7%. Use an appropriate title for the calculated columns. Round all calculations to two decimal places. [4 cols]

```
SELECT title, cost, ROUND((cost + ((cost * 6) / 100)), 2) 'price + 6%'
```

```
, ROUND((cost + ((cost * 7) / 100)), 2) 'price + 7%'
```

```
FROM movies
```

```
WHERE genre = 'SH'
```

```

3 SELECT title, cost, ROUND((cost + ((cost * 6) / 100)), 2) 'price + 6%'
4 , ROUND((cost + ((cost * 7) / 100)), 2) 'price + 7%'
5 FROM movies
6 WHERE genre = 'SH'
7

```

title	cost	price + 6%	price + 7%
MUCH ADO ABOUT NOTHING	19.99	21.19	21.39
HAMLET	19.99	21.19	21.39
HAMLET	36.95	39.17	39.54
THE TAMING OF THE SHREW	17.99	19.07	19.25

9. For each of the CH films (genre=CH), show the title in all lower case characters.

**SELECT LOWER(title)**

**FROM movies**

**WHERE genre = 'CH'**

```

3 SELECT LOWER(title)
4 FROM movies
5 WHERE genre = 'CH'
6

```

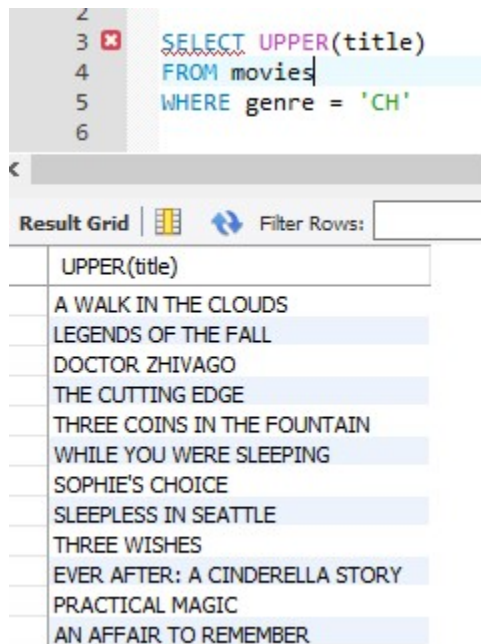
LOWER(title)
a walk in the clouds
legends of the fall
doctor zhivago
the cutting edge
three coins in the fountain
while you were sleeping
sophie's choice
sleepless in seattle
three wishes
ever after: a cinderella story
practical magic
an affair to remember

10. For each of the CH films (genre=CH), display the title in all upper case characters.

```
SELECT UPPER(title)
```

```
FROM movies
```

```
WHERE genre = 'CH'
```



The screenshot shows a SQL query editor with the following query:

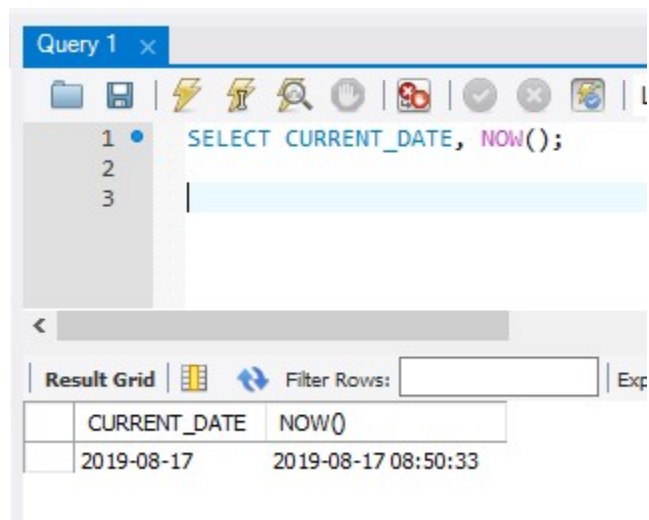
```
SELECT UPPER(title)
FROM movies
WHERE genre = 'CH'
```

Below the query editor is a "Result Grid" showing the results of the query. The grid has two columns: "UPPER(title)". The results are as follows:

UPPER(title)
A WALK IN THE CLOUDS
LEGENDS OF THE FALL
DOCTOR ZHIVAGO
THE CUTTING EDGE
THREE COINS IN THE FOUNTAIN
WHILE YOU WERE SLEEPING
SOPHIE'S CHOICE
SLEEPLESS IN SEATTLE
THREE WISHES
EVER AFTER: A CINDERELLA STORY
PRACTICAL MAGIC
AN AFFAIR TO REMEMBER

11. Show today's date, as well as the timestamp for right now (right now being whenever it is you're running your SQL program). [2 cols]

```
SELECT CURRENT_DATE, NOW();
```



The screenshot shows a SQL query editor with the following query:

```
SELECT CURRENT_DATE, NOW();
```

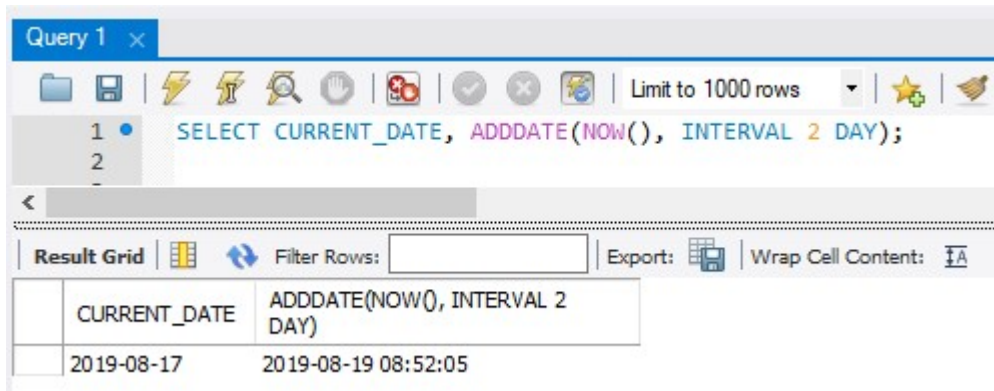
Below the query editor is a "Result Grid" showing the results of the query. The grid has two columns: "CURRENT\_DATE" and "NOW()". The results are as follows:

CURRENT_DATE	NOW()
2019-08-17	2019-08-17 08:50:33

12. Show today's date, as well as two days from now (use the ADDDATE function).

[2 cols]

```
SELECT CURRENT_DATE, ADDDATE(NOW(), INTERVAL 2 DAY);
```

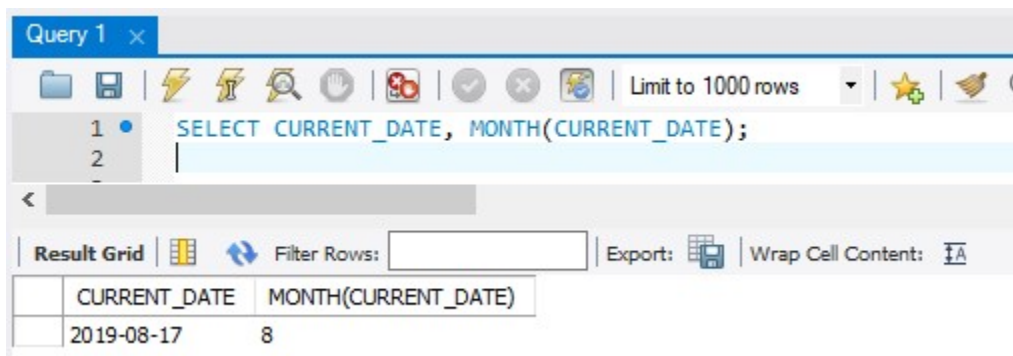


The screenshot shows a SQL query editor with the following query: `SELECT CURRENT_DATE, ADDDATE(NOW(), INTERVAL 2 DAY);`. The query is executed, and the results are displayed in a table with two columns: `CURRENT_DATE` and `ADDDATE(NOW(), INTERVAL 2 DAY)`. The first row shows the current date as `2019-08-17` and the date two days from now as `2019-08-19 08:52:05`.

	CURRENT_DATE	ADDDATE(NOW(), INTERVAL 2 DAY)
1	2019-08-17	2019-08-19 08:52:05

13. Display today's date and the two digit representation of the month (For example, if today were April 13, 2005, the digits for the month would be '04'). [2 cols]

```
SELECT CURRENT_DATE, MONTH(CURRENT_DATE);
```




The screenshot shows a SQL query editor with the following query: `SELECT CURRENT_DATE, MONTH(CURRENT_DATE);`. The query is executed, and the results are displayed in a table with two columns: `CURRENT_DATE` and `MONTH(CURRENT_DATE)`. The first row shows the current date as `2019-08-17` and the two-digit month as `8`.

	CURRENT_DATE	MONTH(CURRENT_DATE)
1	2019-08-17	8

14. Display today's date, and the name of the day, the name of the month, the day of the month (in digits), a comma, and the four digits of the year.

```
SELECT DATE_FORMAT( CURRENT_DATE, '%W %M %D, %Y') AS "Today's Date"
```

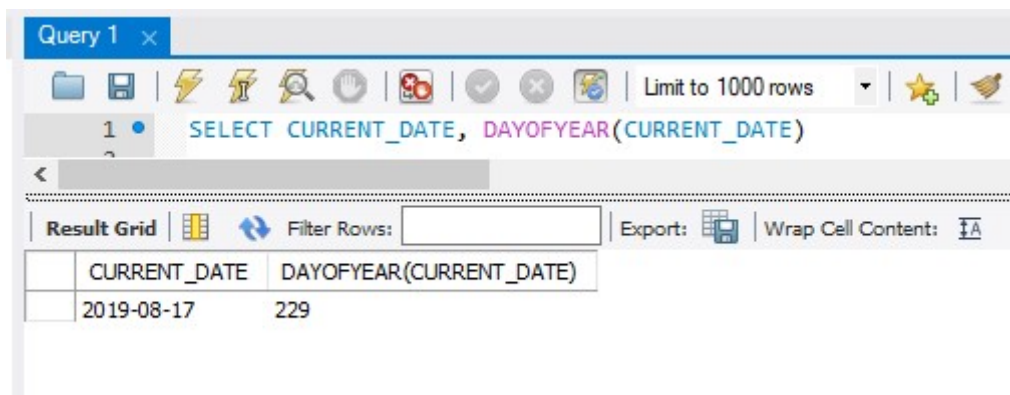


The screenshot shows a SQL query editor with a toolbar at the top containing icons for file operations, execution, and settings. The query text is: `SELECT DATE_FORMAT( CURRENT_DATE, '%W %M %D, %Y') AS "Today's Date"`. Below the query editor, the "Result Grid" is displayed, showing a single row with the value "Sunday September 15th, 2019".

Today's Date
Sunday September 15th, 2019

15. Display today's date and the day of the year it is. [2 cols]

```
SELECT CURRENT_DATE, DAYOFYEAR(CURRENT_DATE)
```



The screenshot shows a SQL query editor with a toolbar at the top. The query text is: `SELECT CURRENT_DATE, DAYOFYEAR(CURRENT_DATE)`. Below the query editor, the "Result Grid" is displayed, showing two columns: "CURRENT\_DATE" and "DAYOFYEAR(CURRENT\_DATE)". The first row contains the values "2019-08-17" and "229".

CURRENT_DATE	DAYOFYEAR(CURRENT_DATE)
2019-08-17	229