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Class: BSCS-8A

Course: CS-220 Database Systems

CMS ID: 260652

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Question No. 1: Select the names of those films whose IDs are between 100 and 350, and those whose name start and ends with E.

Answer:

SELECT title

FROM film

WHERE film_id BETWEEN 100 AND 350

OR title LIKE 'E%E';

```
4        OR title LIKE 'E%E';
5        |
```

title
BROOKLYN DESERT
BROTHERHOOD BLANKET
BUBBLE GROSSE
BUCKET BROTHERHOOD
BUGSY SONG
BULL SHAWSHANK
BULWORTH COMMANDMENTS
BUNCH MINDS
BUTCH PANTHER
BUTTERFLY CHOCOLAT
CABIN FLASH
CADDYSHACK JEDI
CALENDAR GUNFIGHT
CALIFORNIA BIRDS
CAMELOT VACATION
CAMPUS REMEMBER
CANDIDATE PERDITION
CANDLES GRAPES
CANYON STOCK
CAPER MOTIONS
CARIBBEAN LIBERTY
CAROL TEXAS
CARRIE BUNCH
CASABLANCA SUPER
CASPER DRAGONFLY
CASSIDY WYOMING
CASUALTIES ENCINO
CAT CONEHEADS
CATCH AMISTAD
CAUSE DATE
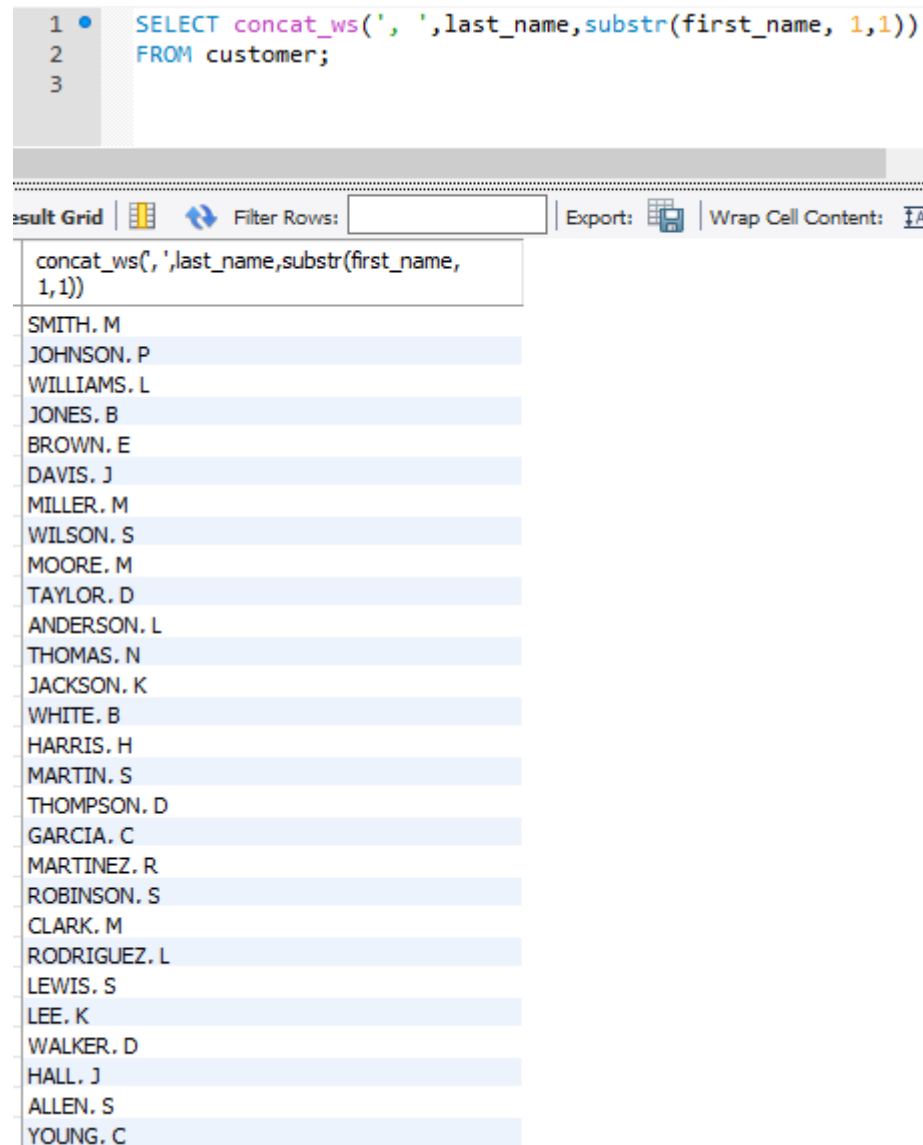
Question No. 2: Write a query to display the names of customers in the following format.

SMITH, M
JOHNSON, P
WILLIAMS, L
JONES, B
BROWN, E
DAVIS, J
MILLER, M
WILSON, S
MOORE, M
TAYLOR, D

Answer:

SELECT concat_ws(', ',last_name,substr(first_name, 1,1))

FROM customer;

```
1 •    SELECT concat_ws(', ',last_name,substr(first_name, 1,1))
2      FROM customer;
3
```

concat_ws(', ',last_name,substr(first_name, 1,1))
SMITH. M
JOHNSON. P
WILLIAMS. L
JONES. B
BROWN. E
DAVIS. J
MILLER. M
WILSON. S
MOORE. M
TAYLOR. D
ANDERSON. L
THOMAS. N
JACKSON. K
WHITE. B
HARRIS. H
MARTIN. S
THOMPSON. D
GARCIA. C
MARTINEZ. R
ROBINSON. S
CLARK. M
RODRIGUEZ. L
LEWIS. S
LEE. K
WALKER. D
HALL. J
ALLEN. S
YOUNG. C

Question No. 3: Retrieve the information showing the details of each of the Films released uptil now in the format: ***Film Academy Dinosaur was released in the year 2006*.**

Answer:

SELECT concat('Film ', title, ' was released in the year ', release_year)

FROM film;

```
1 ●   SELECT concat('Film ', title, ' was released in the year ', release_year)
2     FROM film;
```

esult Grid | 🔢 | ↔ Filter Rows: [   ] | Export: 🗔 | Wrap Cell Content: ⫟A | Fetch rows: 🖫 🖫

concat('Film ', title, ' was released in the year ', release_year)
Film ACADEMY DINOSAUR was released in the year 2006
Film ACE GOLDFINGER was released in the year 2006
Film ADAPTATION HOLES was released in the year 2006
Film AFFAIR PREJUDICE was released in the year 2006
Film AFRICAN EGG was released in the year 2006
Film AGENT TRUMAN was released in the year 2006
Film AIRPLANE SIERRA was released in the year 2006
Film AIRPORT POLLOCK was released in the year 2006
Film ALABAMA DEVIL was released in the year 2006
Film ALADDIN CALENDAR was released in the year 2006
Film ALAMO VIDEOTAPE was released in the year 2006
Film ALASKA PHANTOM was released in the year 2006
Film ALI FOREVER was released in the year 2006
Film ALICE FANTASIA was released in the year 2006
Film ALIEN CENTER was released in the year 2006
Film ALLEY EVOLUTION was released in the year 2006
Film ALONE TRIP was released in the year 2006
Film ALTER VICTORY was released in the year 2006
Film AMADEUS HOLY was released in the year 2006
Film AMELIE HELLFIGHTERS was released in the year 2006
Film AMERICAN CIRCUS was released in the year 2006
Film AMISTAD MIDSUMMER was released in the year 2006
Film ANACONDA CONFESSIONS was released in the year 2006
Film ANALYZE HOOSIERS was released in the year 2006
Film ANGELS LIFE was released in the year 2006
Film ANNIE IDENTITY was released in the year 2006
Film ANONYMOUS HUMAN was released in the year 2006
Film ANTHEM LUKE was released in the year 2006
Film ANTITRUST TOMATOES was released in the year 2006
Film ANYTHING SAVANNAH was released in the year 2006

Question No. 4: Display the first name of customer in upper case and last name in lower case.

Answer:

SELECT UPPER(first_name), LOWER(last_name)

FROM customer;

```
1 •   SELECT UPPER(first_name), LOWER(last_name)
2     FROM customer
```

UPPER(first_name)	LOWER(last_name)
MARY	smith
PATRICIA	iohnson
LINDA	williams
BARBARA	iones
ELIZABETH	brown
JENNIFER	davis
MARIA	miller
SUSAN	wilson
MARGARET	moore
DOROTHY	tavlor
LISA	anderson
NANCY	thomas
KAREN	iackson
BETTY	white
HELEN	harris
SANDRA	martin
DONNA	thompson
CAROL	aarcia
RUTH	martinez
SHARON	robinson
MICHELLE	clark
LAURA	rodriauez
SARAH	lewis
KIMBERLY	lee
DEBORAH	walker
JESSICA	hall
SHIRLEY	allen
CYNTHIA	vouna
ANGELA	hernandez
MELISSA	kina

Question No. 5: Write four queries using the Substring functions on sakila database.

Answer:

SELECT substring(first_name,3)

FROM actor;

```
1 ●    SELECT substring(first_name,3)
2      FROM actor;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

substring(first_name,3)
NELOPE
CK
NNIFER
HNNY
TTE
ACE
TTHEW
E
RISTIAN
RO
RL
A
VIEN
BA
ED
LEN
N
B
CILLE
RSTEN
VIS
NDRA
MERON
VIN
P
LIA
ODY

SELECT substring(first_name FROM 6)

FROM customer;

```
1 ●    SELECT substring(first_name FROM 6)
2      FROM customer;
```

esult Grid | 🔢 | 🔄 Filter Rows: [   ] | Export: 🖫 | Wrap Cell Content: ȚA

substring(first_name FROM 6)
CIA
RA
BETH
FER
RET
HY
A
N
LLE
RLY
AH
CA
EY
IA

SELECT substring(title, 4,5)

FROM film;

```
1 • SELECT substring(title, 4,5)
2   FROM film;
```

Result Grid | Filter Rows: | Export:

substring(title, 4,5)
DEMY
GOLD
PTATI
AIR P
ICAN
NT TR
PLANE
PORT
BAMA
DDIN
MO VI
SKA P
FORE
CE FA
EN CE
EY EV
NE TR
ER VI
DEUS
LIE H
RICAN
STAD
CONDA
LYZE
ELS L
IE ID
NYMOU

SELECT substring_index(country, 'a',1)

FROM country;

```sql
1 ● SELECT substring_index(country, 'a',1)
2   FROM country;
```

Result Grid | Filter Rows: [_____] | Export: | Wrap

substring_index(country, 'a',1)
Afah
Algeri
Americ
Angol
Anguill
Argentin
Armeni
Austr
Austri
Azerb
B
B
Bel
Bolivi
Br
Brunei
Bulg
C
C
C
Ch
Chile
Chin
Colombi
Congo, The Democr
Czech Republic
Dominic