

Name: ABDUL GHAFAR KALHORO

Registration# 194699

Class: BSCS-6C

DATABASE SYSTEMS LAB # 4

TASK 1

QUERY:

SELECT film_id from film where title = 'AFRICAN EGG';

SELECT actor_id from film_actor where film_id like 5;

SELECT first_name, last_name

from actor where actor_id like 51 or actor_id like 59 or

actor_id like 103 or actor_id like 181 or actor_id like 200;

The screenshot shows a SQL IDE interface with a query editor and a results pane. The query editor contains three SQL statements:

```
1 SELECT film_id from film where title = 'AFRICAN EGG';
2
3 SELECT actor_id from film_actor where film_id like 5;
4
5 SELECT first_name, last_name
6 from actor where actor_id like 51 or actor_id like 59 or
7 actor_id like 103 or actor_id like 181 or actor_id like 200;
```

The results pane displays the output of the third query, showing a table with two columns: first_name and last_name. The results are:

first_name	last_name
GARY	PHOENIX
DUSTIN	TAUTOU
MATTHEW	LEIGH
MATTHEW	CARREY
THORA	TEMPLE

The IDE interface includes a toolbar with various icons, a status bar at the bottom showing "Read Only", and a sidebar with options like "Result Grid", "Form Editor", "Field Types", and "Query Stats".

TASK 2

QUERY:

select customer_id, address_id from customer;

select first_name, last_name from customer where address_id between 1 and 605;

select address from address where address_id between 1 and 605;

The screenshot shows the SQL Developer interface with the first query executed. The query editor contains three SQL statements. The first statement, 'select customer_id, address_id from customer;', is highlighted. The Results pane shows a table with two columns: 'customer_id' and 'address_id'. The first two rows are visible, showing customer IDs 22 and 23, both with address ID 1.

customer_id	address_id
22	1
23	1

The screenshot shows the SQL Developer interface with the second query executed. The query editor contains three SQL statements. The second statement, 'select first_name, last_name from customer where address_id between 1 and 605;', is highlighted. The Results pane shows a table with two columns: 'first_name' and 'last_name'. The first two rows are visible, showing 'MARY SMITH' and 'PATRICIA JOHNSON'. The Output pane shows the execution log for the first two queries.

first_name	last_name
MARY	SMITH
PATRICIA	JOHNSON

#	Time	Action	Message	Duration / Fetch
405	23:29:47	select customer_id, address_id from customer LIMIT 0, 1000	599 row(s) returned	0.000 sec / 0.00
406	23:29:47	select first_name, last_name from customer where address_id between 1 and 605 LIMIT 0, 1000	599 row(s) returned	0.000 sec / 0.00

TASK 3

QUERY:

SELECT title

FROM film WHERE title like 'A%';

The screenshot shows a SQL IDE interface with the following components:

- Top Bar:** Contains tabs for 'sakila-data', 'sakila-schema', and 'SQL File 3*'. It also includes a toolbar with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Jump to' button.
- Query Editor:** Displays the SQL query:

```
1 SELECT title
2 FROM film
3 WHERE title like 'A%';
4
```
- Result Grid:** Shows the results of the query in a table with one column, 'title'. The results are listed in ascending order:

title
ACADEMY DINOSAUR
ACE GOLDFINGER
ADAPTATION HOLES
AFFAIR PREJUDICE
AFRICAN EGG
AGENT TRUMAN
AIRPLANE SIERRA
AIRPORT POLLOCK
ALABAMA DEVIL
ALADDIN CALENDAR
ALAMO VIDEOTAPE
ALASKA PHANTOM
ALI FOREVER
ALICE FANTASIA
ALIEN CENTER
ALLEY EVOLUTION
AL ONE TRIP
- Right Panel:** Contains a 'SQLAdditions' section with a 'Jump to' button and a note: 'Automatic context help is caret position or to togg'. Below this is a vertical toolbar with icons for 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'.
- Bottom Bar:** Includes a 'film 11' tab, a 'Read Only' status indicator, and buttons for 'Context Help' and 'Snippets'.

TASK 4

QUERY

SELECT * FROM actor

WHERE first_name not like 'Z%';

The screenshot shows a SQL IDE interface with a query editor and a result grid. The query editor contains the following SQL query:

```
1 SELECT *
2 FROM actor
3 WHERE first_name not like 'Z%';
4
```

The result grid displays the following data:

actor_id	first_name	last_name	last_update
1	PENELOPE	GUINNESS	2006-02-15 04:34:33
2	NICK	WAHLBERG	2006-02-15 04:34:33
3	ED	CHASE	2006-02-15 04:34:33
4	JENNIFER	DAVIS	2006-02-15 04:34:33
5	JOHNNY	LOLLOBRIGIDA	2006-02-15 04:34:33
6	BETTE	NICHOLSON	2006-02-15 04:34:33
7	GRACE	MOSTEL	2006-02-15 04:34:33
8	MATTHEW	JOHANSSON	2006-02-15 04:34:33
9	JOE	SWANK	2006-02-15 04:34:33
10	CHRISTIAN	GABLE	2006-02-15 04:34:33
12	KARL	BERRY	2006-02-15 04:34:33
13	UMA	WOOD	2006-02-15 04:34:33
14	VIVIEN	BERGEN	2006-02-15 04:34:33
15	CUBA	OLIVIER	2006-02-15 04:34:33
16	FRED	COSTNER	2006-02-15 04:34:33
17	HELEN	VOIGHT	2006-02-15 04:34:33
18	DAN	TORN	2006-02-15 04:34:33

The interface also includes a sidebar with options like 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats'. The bottom status bar shows 'actor 17' and 'Apply'.

TASK 5

QUERY

SELECT film_id from film where title = 'ALASKA PHANTOM';

SELECT inventory_id from inventory where film_id like 12;

SELECT rental_date, return_date from rental where inventory_id in (60, 61,62,63,64,65,66);

The screenshot shows a SQL IDE interface with three queries listed on the left and a result grid on the right. The queries are:

- SELECT film_id from film where title = 'ALASKA PHANTOM';
- SELECT inventory_id from inventory where film_id like 12;
- SELECT rental_date, return_date from rental where inventory_id in (60, 61,62,63,64,65,66);

The result grid displays the results for the third query, showing rental_date and return_date for various inventory IDs. The results are as follows:

rental_date	return_date
2005-07-26 23:13:34	2005-07-30 19:14:34
2005-08-20 06:52:03	2005-08-27 07:43:03
2005-06-16 15:15:43	2005-06-23 10:14:43
2005-07-10 04:33:36	2005-07-12 08:13:36
2005-07-29 11:32:58	2005-08-05 07:21:58
2005-08-22 17:37:02	2005-08-25 18:45:02
2005-05-29 21:58:43	2005-06-06 00:54:43
2005-06-15 07:30:22	2005-06-18 11:31:22
2005-07-07 04:13:35	2005-07-10 23:58:35
2005-07-30 12:02:41	2005-08-05 15:23:41
2005-08-19 11:24:37	2005-08-21 05:48:37
2005-05-30 22:15:51	2005-06-02 22:56:51
2005-06-19 15:01:23	2005-06-22 09:08:23
2005-07-10 00:27:21	2005-07-13 20:11:21
2005-07-28 11:58:53	2005-08-04 12:08:53
2005-08-20 12:03:54	2005-08-28 15:24:54
2005-07-31 06:42:09	2005-08-06 08:21:09

The interface also includes a toolbar with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'SQLAdditions' sidebar with options like 'Automatic context help', 'Form Editor', 'Field Types', and 'Query Stats'.

TASK 6

QUERY

SELECT amount from payment

where payment_date like '2005-08%' order by amount desc;

The screenshot shows a SQL IDE interface with the following components:

- Top Bar:** Contains tabs for 'sakila-data', 'sakila-schema', 'SQL File 3*', 'SQL File 4*', and 'SQL File 5*'. The 'SQL File 5*' tab is active.
- Query Editor:** Displays the SQL query:

```
1 SELECT amount from payment
2 where payment_date like '2005-08%' order by amount desc;
3
```
- SQLAdditions:** A sidebar on the right with a search icon and a 'Jump' button. It contains the text: 'Automatic context help get help for the current help.'
- Result Grid:** A table showing the results of the query. The first column is 'amount'. The values are: 11.99, 11.99, 11.99, 11.99, 11.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99, 10.99.
- Bottom Bar:** Contains a 'payment 1' tab, a 'Read Only' status indicator, and links for 'Context Help' and 'Snippets'.

TASK 7

QUERY

select customer_id from payment where amount =0;

select email from customer where customer_id in (15,42,43,50,53,75,107,155,163,175,208,216,
228,267,269,284,354,361,448,457,516,560,576);

The screenshot shows a MySQL IDE interface with two SQL queries and their results.

Query 1:

```
select customer_id from payment where amount =0;
```

Query 2:

```
select email from customer where customer_id in (15,42,43,50,53,75,107,155,163,175,208,216,  
228,267,269,284,354,361,448,457,516,560,576);
```

Result Grid:

email
HELEN.HARRIS@sakilacustomer.org
CAROLYN.PEREZ@sakilacustomer.org
CHRISTINE.ROBERTS@sakilacustomer.org
DIANE.COLLINS@sakilacustomer.org
HEATHER.MORRIS@sakilacustomer.org
TAMMY.SANDERS@sakilacustomer.org
FLORENCE.WOODS@sakilacustomer.org
GAIL.KNIGHT@sakilacustomer.org
CATHY.SPENCER@sakilacustomer.org
ANNETTE.OLSON@sakilacustomer.org
LUCY.WHEELER@sakilacustomer.org
NATALIE.MEYER@sakilacustomer.org
ALLISON.STANLEY@sakilacustomer.org
MARGIE.WADE@sakilacustomer.org
CASSANDRA.WALTERS@sakilacustomer.org
SONIA.GREGORY@sakilacustomer.org
JUSTIN.NGO@sakilacustomer.org

The interface also includes a sidebar with navigation options like Server Status, Client Connections, and Schemas, and a bottom status bar showing the current column and row.

TASK 8

QUERY

SELECT *

FROM actor WHERE last_name 'T';

The screenshot shows a SQL IDE interface with a query editor and a results pane. The query editor contains the following SQL query:

```
1 SELECT *
2 FROM actor
3 WHERE last_name like 'T';
4
```

The results pane displays a table with the following data:

actor_id	first_name	last_name	last_update
17	HELEN	VOIGHT	2006-02-15 04:34:33
19	BOB	FAWCETT	2006-02-15 04:34:33
52	CARMEN	HUNT	2006-02-15 04:34:33
54	PENELOPE	PINKETT	2006-02-15 04:34:33
68	RIP	WINSLET	2006-02-15 04:34:33
71	ADAM	GRANT	2006-02-15 04:34:33
84	JAMES	PITT	2006-02-15 04:34:33
106	GROUCHO	DUNST	2006-02-15 04:34:33
140	WHOOPI	HURT	2006-02-15 04:34:33
147	FAY	WINSLET	2006-02-15 04:34:33
163	CHRISTO...	WEST	2006-02-15 04:34:33
197	REESE	WEST	2006-02-15 04:34:33
199	JULIA	FAWCETT	2006-02-15 04:34:33
NULL	NULL	NULL	NULL

The interface also includes a toolbar with various icons, a sidebar with options like 'Result Grid', 'Form Editor', 'Field Types', and 'Query Stats', and a bottom status bar with 'actor 19' and 'Apply' buttons.