

CSE311L.1 Lab 03 Tasks

Task 01:

Query:

```
SELECT Last_Name, Job_Id, Hire_Date FROM employees WHERE Hire_Date BETWEEN '2007-11-05' AND '2009-07-05';
```

Results:

The screenshot shows the phpMyAdmin interface with the following details:

- Database:** cse311l_lab03
- Table:** employees
- Query:** `SELECT Last_Name, Job_Id, Hire_Date FROM employees WHERE Hire_Date BETWEEN '2007-11-05' AND '2009-07-05';`
- Results:** 10 rows shown (0-9). The table displays the following data:

| | Last_Name | Job_Id | Hire_Date |
|--------------------------|-----------|----------|------------|
| <input type="checkbox"/> | Kochar | AD_VP | 2008-09-21 |
| <input type="checkbox"/> | De Haan | AD_VP | 2009-01-13 |
| <input type="checkbox"/> | Hunold | IT_PROG | 2008-01-03 |
| <input type="checkbox"/> | Ernst | IT_PROG | 2009-05-21 |
| <input type="checkbox"/> | Lorentz | IT_PROG | 2008-02-07 |
| <input type="checkbox"/> | Matos | ST_CLERK | 2008-03-15 |
| <input type="checkbox"/> | Vargas | ST_CLERK | 2008-07-09 |
| <input type="checkbox"/> | Taylor | SA_MAN | 2008-03-24 |
| <input type="checkbox"/> | Grant | SA_MAN | 2009-05-29 |

Task 02:

Query:

```
SELECT Last_Name, Department_id FROM employees WHERE Department_id IN(20, 50)
ORDER BY Last_Name ASC;
```

Results:

The screenshot shows the phpMyAdmin interface with the following details:

- Database:** cse3111_lab03
- Table:** employees
- Query:** `SELECT Last_Name, Department_id FROM employees WHERE Department_id IN(20, 50) ORDER BY Last_Name ASC;`
- Results:** Showing rows 0 - 6 (7 total, Query took 0.0003 seconds.) [Last_Name: DAVIES... - VARGAS...]
- Table Data:**

| Last_Name | Department_id |
|-----------|---------------|
| Davies | 50 |
| Fay | 20 |
| Hartstein | 20 |
| Matos | 50 |
| Mourgos | 50 |
| Rajs | 50 |
| Vargas | 50 |

The interface also includes a sidebar with a database tree, a top navigation bar with various tools (Browse, Structure, SQL, etc.), and a bottom status bar showing system information like temperature and time.

Task 03:

Query:

```
SELECT Last_Name, Hire_Date FROM employees WHERE Hire_Date LIKE '2008-__-__';
```

Results:

The screenshot shows the phpMyAdmin interface with the following details:

- Database:** cse3111_jab03
- Table:** employees
- Query:** `SELECT Last_Name, Hire_Date FROM employees WHERE Hire_Date LIKE '2008-__-__';`
- Results:** Showing rows 0 - 6 (7 total, Query took 0.0007 seconds.)
- Table Data:**

| | Last_Name | Hire_Date |
|--------------------------|-----------|------------|
| <input type="checkbox"/> | Kochar | 2008-09-21 |
| <input type="checkbox"/> | Hunold | 2008-01-03 |
| <input type="checkbox"/> | Lorentz | 2008-02-07 |
| <input type="checkbox"/> | Matos | 2008-03-15 |
| <input type="checkbox"/> | Vargas | 2008-07-09 |
| <input type="checkbox"/> | Taylor | 2008-03-24 |
| <input type="checkbox"/> | Hartstein | 2008-02-17 |

At the bottom of the interface, there are buttons for "Check all", "With selected:", "Edit", "Copy", "Delete", and "Export".

Task 04:

Query:

```
SELECT Last_Name, Salary, Commission_pct FROM employees WHERE Commission_pct IS NOT NULL ORDER BY Salary DESC, Commission_pct DESC;
```

Results:

The screenshot shows the phpMyAdmin interface with the 'employees' table selected. The SQL query is displayed in the top bar, and the results are shown in a table below. The results table has columns: Last_Name, Salary, and Commission_pct. The data is sorted by Salary in descending order, and then by Commission_pct in descending order. The results show 4 rows of data.

| | Last_Name | Salary | Commission_pct |
|--------------------------|-----------|----------|----------------|
| <input type="checkbox"/> | Abel | 11000.00 | 0.30 |
| <input type="checkbox"/> | Zlotkey | 10500.00 | 0.20 |
| <input type="checkbox"/> | Taylor | 8600.00 | 0.20 |
| <input type="checkbox"/> | Grant | 7000.00 | 0.15 |

Task 05:

Query:

```
SELECT Last_Name FROM employees WHERE Last_Name LIKE '%a%e%' OR Last_Name LIKE '%e%a%';
```

Results:

The screenshot shows the phpMyAdmin interface with the 'employees' table selected. The query results are displayed in a table with 5 rows. The query used is: `SELECT Last_Name FROM employees WHERE Last_Name LIKE '%a%e%' OR Last_Name LIKE '%e%a%';`

| | Last_Name |
|--------------------------|-----------|
| <input type="checkbox"/> | De Haan |
| <input type="checkbox"/> | Davies |
| <input type="checkbox"/> | Abel |
| <input type="checkbox"/> | Whalem |
| <input type="checkbox"/> | Hartstein |

The interface also shows the query execution status: "Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)". The left sidebar shows the database structure, and the top navigation bar includes options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers.