

Activity01:

SELECT Last_name, Job_id, Hire_Date

FROM emps

WHERE Hire_Date BETWEEN '2004-10-17' AND '2009-01-13' ORDER BY Hire_Date;

The screenshot displays the phpMyAdmin web interface in a browser. The left sidebar shows the database structure with 'lab3' selected. The main panel shows the 'emps' table with 15 rows of data. The table columns are Last_name, Job_id, and Hire_Date. The data is sorted by Hire_Date in ascending order. The interface includes various toolbars for database management and a bottom status bar.

	Last_name	Job_id	Hire_Date
<input type="checkbox"/>	Rajs	ST_CLERK	2004-10-17
<input type="checkbox"/>	King	AD_PRESS	2006-06-17
<input type="checkbox"/>	Davies	ST_CLERK	2007-01-29
<input type="checkbox"/>	Gietz	AC_ACCOUNT	2007-06-07
<input type="checkbox"/>	Higgins	AC_MGR	2007-06-07
<input type="checkbox"/>	Hunold	IT_PROG	2008-01-03
<input type="checkbox"/>	Lorentz	IT_PROG	2008-02-07
<input type="checkbox"/>	Hartstein	MK_MAN	2008-02-17
<input type="checkbox"/>	Matos	ST_CLERK	2008-03-15
<input type="checkbox"/>	Taylor	SA_MAN	2008-03-24
<input type="checkbox"/>	Vargas	ST_CLERK	2008-07-09
<input type="checkbox"/>	Kochar	AD_VP	2008-09-21
<input type="checkbox"/>	De Haan	AD_VP	2009-01-13

Activity02:

SELECT last_name, department_id

FROM emps

WHERE Department_Id IN (20,50) ORDER BY Last_Name;

The screenshot shows the phpMyAdmin web interface in a browser. The left sidebar displays the database structure, including 'information_schema', 'lab3', and 'mysql'. The main panel shows the 'Table: emps' view. A SQL query is entered in the 'SQL' tab: `SELECT last_name, department_id FROM emps WHERE Department_Id IN (20,50) ORDER BY Last_Name`. The query is executed, and the results are displayed in a table with two columns: 'last_name' and 'department_id'. The table contains six rows of data. Below the table, there are options to 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 1:19 AM on 3/23/2021.

	last_name	department_id
<input type="checkbox"/>	Davies	50
<input type="checkbox"/>	Fay	20
<input type="checkbox"/>	Hartstein	20
<input type="checkbox"/>	Matos	50
<input type="checkbox"/>	Mourgos	50
<input type="checkbox"/>	Rajs	50
<input type="checkbox"/>	Vargas	50

Lab3(B):

Activity02:

SELECT Last_Name,Salary,Commission_pct

FROM emps

ORDER BY Salary,

Commission_pct DESC;

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure tree with 'lab3' selected. The main panel shows the 'Table: emps' view. The table contains 15 rows of employee data, sorted by Salary in descending order. Each row includes checkboxes for Edit, Copy, and Delete actions. The bottom of the interface shows a Windows taskbar with the time 1:23 AM on 3/23/2021.

	Last_Name	Salary	Commission_pct
<input type="checkbox"/>	Vargas	2500.00	NULL
<input type="checkbox"/>	Matos	2600.00	NULL
<input type="checkbox"/>	Davies	3100.00	NULL
<input type="checkbox"/>	Rajs	3500.00	NULL
<input type="checkbox"/>	Lorentz	4200.00	NULL
<input type="checkbox"/>	Whalem	4400.00	NULL
<input type="checkbox"/>	Mourgos	5800.00	NULL
<input type="checkbox"/>	Ernst	6000.00	NULL
<input type="checkbox"/>	Fay	6000.00	NULL
<input type="checkbox"/>	Grant	7000.00	0.15
<input type="checkbox"/>	Gietz	8300.00	NULL
<input type="checkbox"/>	Taylor	8600.00	0.20
<input type="checkbox"/>	Hunold	9000.00	NULL
<input type="checkbox"/>	Zlotkey	10500.00	0.20
<input type="checkbox"/>	Abel	11000.00	0.30
<input type="checkbox"/>	Higgins	12000.00	NULL
<input type="checkbox"/>	Hartstein	13000.00	NULL
<input type="checkbox"/>	De Haan	17000.00	NULL

Activity03:

Select Last_name

From emps

Where LOWER>Last_name) LIKE "%a%" and LOWER>Last_name) LIKE "%e%";

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a tree view of the database structure, with 'lab3' selected. The main panel shows the 'Table: emps' view. The table has 5 rows of data, with columns for selection, edit, copy, delete, and 'Last_name'. The 'Last_name' column contains the values: De Haan, Davies, Abel, Whalem, and Hartstein. Below the table, there are options for 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'. The bottom of the interface shows a console area with two tabs: 'company2.sql' and 'company.sql'.

	Last_name
<input type="checkbox"/>	De Haan
<input type="checkbox"/>	Davies
<input type="checkbox"/>	Abel
<input type="checkbox"/>	Whalem
<input type="checkbox"/>	Hartstein