

EMP DATA TABLE

The screenshot shows the phpMyAdmin interface for the 'emp table data' database. The left sidebar shows various databases and tables, with 'emp table data' selected. The main area displays the 'emp table data' table with 14 rows of employee information. The columns are: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, and Deptno4. The data includes entries for employees like SMITH, ALLEN, WARD, JONES, MARTIN, BLAKE, CLARK, SCOTT, KING, TURNER, ADAMS, JAMES, FORD, and MILLER.

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno4
7369	SMITH	CLERK	7690	1980-12-17	800.00	NULL	20.00
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30.00
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30.00
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30.00
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10.00
7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00
7839	KING	PRESIDENT	0	1981-11-17	5000.00	0.00	30.00
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30.00
7876	ADAMS	CLERK	7788	0000-00-00	1100.00	NULL	20.00
7900	JAMES	CLERK	7698	0000-00-00	950.00	NULL	30.00
7902	FORD	ANALYST	7566	0000-00-00	3000.00	NULL	20.00
7934	MILLER	CLERK	7782	0000-00-00	1300.00	NULL	10.00

DEPT TABLE

The screenshot shows the phpMyAdmin interface for the 'emp table data' database. The left sidebar shows various databases and tables, with 'emp table data' selected. The main area displays the 'dept table' with 4 rows of department information. The columns are: Deptno, Dname, and Loc. The data includes entries for departments like Accounting, Research, Sales, and Operations.

Deptno	Dname	Loc
10	Accounting	New York
20	Research	Dallas
30	Sales	Chicago
40	Operations	Boston

EMP LOG TABLE

The screenshot shows the phpMyAdmin interface for the 'emp table data' database. The 'Table structure' tab is selected, displaying the columns of the 'emp log table'. The columns are:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Emp_id	int(5)			No	None			Change Drop More
2	Log_date	date			Yes	NULL			Change Drop More
3	New_salary	int(10)			Yes	NULL			Change Drop More
4	Action	varchar(20)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Below the table structure, there are buttons for 'Check all', 'With selected:', and various actions like 'Browse', 'Change', 'Drop', etc. There is also a section for 'Indexes' which says 'No index defined!'.

i)Select unique job from EMP table.

The screenshot shows the phpMyAdmin interface for the 'emp table data' database. The results of a query are displayed in a green box:

```
SELECT distinct Job FROM `emp table data`;
```

The results show the unique job titles:

Job
CLERK
SALESMAN
MANAGER
ANALYST
PRESIDENT

Below the results, there are buttons for 'Edit', 'Copy', and 'Delete' for each row. There are also global buttons for 'Check all', 'With selected:', and 'Export'.

ii) List the details of the emps in asc order of the Dptnos and desc of Jobs?

Showing rows 0 - 13 (14 total, Query took 0.0009 seconds.) [Job: ANALYST... - SALESMAN...][Empno: 7902... - 7499...]

```
SELECT * FROM `emp table data` e ORDER BY e.Job ASC, e.Empno DESC;
```

	Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
<input type="checkbox"/>	7902	FORD	ANALYST	7566	0000-00-00	3000.00	NULL	20.00
<input type="checkbox"/>	7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00
<input type="checkbox"/>	7934	MILLER	CLERK	7782	0000-00-00	1300.00	NULL	10.00
<input type="checkbox"/>	7900	JAMES	CLERK	7698	0000-00-00	950.00	NULL	30.00
<input type="checkbox"/>	7876	ADAMS	CLERK	7788	0000-00-00	1100.00	NULL	20.00
<input type="checkbox"/>	7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20.00
<input type="checkbox"/>	7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10.00
<input type="checkbox"/>	7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
<input type="checkbox"/>	7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00
<input type="checkbox"/>	7839	KING	PRESIDENT	0	1981-11-17	5000.00	0.00	30.00
<input type="checkbox"/>	7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30.00
<input type="checkbox"/>	7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30.00
<input type="checkbox"/>	7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30.00
<input type="checkbox"/>	7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30.00

iii. Display all the unique job groups in the descending order?

Showing rows 0 - 4 (5 total, Query took 0.0005 seconds.) [Job: SALESMAN... - ANALYST...]

```
SELECT DISTINCT Job FROM `emp table data` ORDER BY Job DESC;
```

Job
SALESMAN
PRESIDENT
MANAGER
CLERK
ANALYST

iv. List the emps who joined before 1981.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The left sidebar lists various databases and tables, including 'emp table data' which is selected. The main area displays a query result for employees hired before January 1, 1981. The results table has columns: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, Deptno. The data shows five rows of employee information.

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20.00
7876	ADAMS	CLERK	7788	2000-00-00	1100.00	NULL	20.00
7900	JAMES	CLERK	7698	2000-00-00	950.00	NULL	30.00
7902	FORD	ANALYST	7566	2000-00-00	3000.00	NULL	20.00
7934	MILLER	CLERK	7782	2000-00-00	1300.00	NULL	10.00

v. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The left sidebar lists various databases and tables, including 'emp table data' which is selected. The main area displays a query result for employees, showing their Empno, Ename, Monthly_Salary, Daily_Salary, and Anual_Salary. The results table has columns: Empno, Ename, Monthly_Salary, Daily_Salary, Anual_Salary. The data shows 13 rows of employee information.

Empno	Ename	Monthly_Salary	Daily_Salary	Anual_Salary
7369	SMITH	800.00	26.666667	9600.00
7900	JAMES	950.00	31.666667	11400.00
7876	ADAMS	1100.00	36.666667	13200.00
7521	WARD	1250.00	41.666667	15000.00
7654	MARTIN	1250.00	41.666667	15000.00
7934	MILLER	1300.00	43.333333	15600.00
7844	TURNER	1500.00	50.000000	18000.00
7499	ALLEN	1600.00	53.333333	19200.00
7782	CLARK	2450.00	81.666667	29400.00
7698	BLAKE	2850.00	95.000000	34200.00
7566	JONES	2975.00	99.166667	35700.00
7902	FORD	3000.00	100.000000	36000.00
7788	SCOTT	3000.00	100.000000	36000.00
7839	KING	5000.00	166.666667	60000.00

vi. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369.

The screenshot shows the phpMyAdmin interface with the following details:

- Server:** 127.0.0.1
- Database:** emp table data
- Table:** emp table data
- Query Result:** Showing rows 0 - 2 (total, Query took 0 0004 seconds.)
- SQL Query:** SELECT Empno, Ename, Sal, Exp FROM `emp table data` WHERE Mgr=7369;
- Data:** Two rows are displayed:

Empno	Ename	Sal	Exp
7788	CLARK	2450.00	10
7902	KING	5000.00	10

- Operations:** Buttons for Edit, Copy, Delete, Export, and other actions are available for each row.
- Query Results Operations:** Buttons for Print, Copy to clipboard, Export, Display chart, Create view, and Bookmark this SQL query.

vii. Display all the details of the emps who's Comm. Is more than their Sal?

The screenshot shows the phpMyAdmin interface with the following details:

- Server:** 127.0.0.1
- Database:** emp table data
- Table:** emp table data
- Query Result:** Showing rows 0 - 1 (total, Query took 0 0004 seconds.)
- SQL Query:** SELECT * FROM `emp table data` WHERE Comm>Sal;
- Data:** One row is displayed:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30

- Operations:** Buttons for Edit, Copy, Delete, Export, and other actions are available for the single row.
- Query Results Operations:** Buttons for Print, Copy to clipboard, Export, Display chart, Create view, and Bookmark this SQL query.

viii. List the emps who are either ‘CLERK’ or ‘ANALYST’ in the Desc order

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The 'emp table data' table is selected. A SQL query is run:

```
SELECT * FROM `emp table data` WHERE Job='CLERK' OR Job='ANALYST' ORDER BY Job DESC;
```

The results show six rows of employee data:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20.00
7876	ADAMS	CLERK	7788	2000-00-00	1100.00	NULL	20.00
7900	JAMES	CLERK	7698	2000-00-00	950.00	NULL	30.00
7934	MILLER	CLERK	7782	2000-00-00	1300.00	NULL	10.00
7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00
7902	FORD	ANALYST	7566	2000-00-00	3000.00	NULL	20.00

ix. List the emps Who Annual sal ranging from 22000 and 45000.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The 'emp table data' table is selected. A SQL query is run:

```
SELECT * FROM `emp table data` WHERE 12*Sal BETWEEN 24000 AND 50000;
```

The results show five rows of employee data:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10.00
7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00
7902	FORD	ANALYST	7566	2000-00-00	3000.00	NULL	20.00

x. List the Enames those are starting with 'S' and with five characters.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The current table is 'emp table data'. A SQL query is run: `SELECT Ename FROM `emp table data` WHERE Ename LIKE 'S%' AND LENGTH(Ename)=5;`. The results show two rows: SMITH and SCOTT.

Ename
SMITH
SCOTT

xi. List the emps whose Empno not starting with digit78.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The current table is 'emp table data'. A SQL query is run: `SELECT * FROM `emp table data` WHERE Empno NOT LIKE '78%';`. The results show 14 rows of employee data where the Empno does not start with '78'.

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20.00
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30.00
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30.00
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30.00
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10.00
7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00
7900	JAMES	CLERK	7698	0000-00-00	950.00	NULL	30.00
7902	FORD	ANALYST	7566	0000-00-00	3000.00	NULL	20.00
7934	MILLER	CLERK	7782	0000-00-00	1300.00	NULL	10.00

xii. List all the Clerks of Deptno 20.

The screenshot shows the phpMyAdmin interface with the following details:

- Left sidebar:** Shows databases like advancejava, department table, emp table data, etc.
- Top bar:** Shows tabs for "java_assignment.pdf", "localhost / 127.0.0.1 / emp table", and a new tab.
- Main area:**
 - Query results:** A green box says "Showing rows 0 - 1 (2 total, Query took 0.0006 seconds.)".
 - SQL query:** `SELECT * FROM `emp table data` WHERE Job='CLERK' AND Deptno=20;`
 - Data grid:** Displays two rows of data:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20.00
7876	ADAMS	CLERK	7788	2000-00-00	1100.00	NULL	20.00
 - Buttons:** Edit, Copy, Delete, Export, etc.
 - Bottom status:** Shows system icons, weather (36°C Haze), and date/time (16:26 06-04-2023).

xiii. List the Emps who are senior to their own MGRS.

The screenshot shows the phpMyAdmin interface with the following details:

- Left sidebar:** Shows databases like advancejava, department table, emp table data, etc.
- Top bar:** Shows tabs for "java_assignment.pdf", "localhost / 127.0.0.1 / emp table", and a new tab.
- Main area:**
 - Warning message:** "Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available."
 - Query results:** A green box says "Showing rows 0 - 8 (9 total, Query took 0.0012 seconds.)".
 - SQL query:** `SELECT * FROM `emp table data` m,`emp table data` e WHERE m.Mgr=e.Empno AND m.Hiredate< e.Hiredate;`
 - Data grid:** Displays 9 rows of data:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno	Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30.00	7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30.00	7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00	7839	KING	PRESIDENT	0	1981-11-17	5000.00	0.00	30.00
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00	7839	KING	PRESIDENT	0	1981-11-17	5000.00	0.00	30.00
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10.00	7839	KING	PRESIDENT	0	1981-11-17	5000.00	0.00	30.00
7876	ADAMS	CLERK	7788	2000-00-00	1100.00	NULL	20.00	7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00
7900	JAMES	CLERK	7698	2000-00-00	950.00	NULL	30.00	7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30.00
7902	FORD	ANALYST	7566	2000-00-00	3000.00	NULL	20.00	7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00
7934	MILLER	CLERK	7782	2000-00-00	1300.00	NULL	10.00	7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10.00
 - Buttons:** Print, Copy to clipboard, Export, Display chart, Create view.
 - Bottom status:** Shows system icons, weather (36°C Haze), and date/time (16:33 06-04-2023).

xiv. List the Emps of Deptno 20 who's Jobs are same as Deptno10.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'emp table data'. The left sidebar lists various databases and tables. The main area displays the results of a SQL query:

```
SELECT * FROM `emp table data` WHERE Deptno4=20 AND Job IN (SELECT Job FROM `emp table data` WHERE Deptno4=10);
```

The results table shows three rows of data:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno4
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20.00
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20.00
7876	ADAMS	CLERK	7788	0000-00-00	1100.00	NULL	20.00

xv. List the Emps who's Sal is same as FORD or SMITH in desc order of Sal.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'emp table data'. The left sidebar lists various databases and tables. The main area displays the results of a SQL query:

```
SELECT * FROM `emp table data` WHERE Sal IN (SELECT Sal FROM `emp table data` e WHERE e.Ename IN ('FORD', 'SMITH') AND `emp table data`.`Empno` <> e.Empno);
```

The results table shows one row of data:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno4
7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20.00

xvi. List the emps whose jobs same as SMITH or ALLEN.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'emp table data'. The current table is 'emp table data'. The results of a query are displayed in a table:

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30.00
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30.00
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30.00
7876	ADAMS	CLERK	7788	0000-00-00	1100.00	NULL	20.00
7900	JAMES	CLERK	7698	0000-00-00	950.00	NULL	30.00
7934	MILLER	CLERK	7782	0000-00-00	1300.00	NULL	10.00

xvii. Any jobs of deptno 10 those that are not found in deptno 20.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'emp table data'. The current table is 'emp table data'. The results of a query are displayed in a table:

Job
ANALYST
ANALYST

xviii. Find the highest sal of EMP table.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The left sidebar lists various databases and tables. The main area displays the results of a SQL query: 'SELECT max(Sal) FROM `emp table data`;'. The result is shown in a table with one row: max(Sal) 5000.00. Below the table are options to print, copy to clipboard, export, display chart, or create view.

xix. Find details of highest paid employee.

The screenshot shows the phpMyAdmin interface for a database named 'emp table data'. The left sidebar lists various databases and tables. The main area displays the results of a SQL query: 'SELECT * FROM `emp table data` WHERE Sal IN (SELECT max(Sal) FROM `emp table data`);'. The result is shown in a table with one row: Empno 7839, Ename KING, Job PRESIDENT, Mgr 0, Hiredate 1981-11-17, Sal 5000.00, Comm 0.00, and Deptno 4. The table has columns: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, and Deptno4. Below the table are options to edit, copy, delete, or export the data.

xx. Find the total sal given to the MGR.

The screenshot shows the phpMyAdmin interface for a MySQL database named 'emp table data'. The left sidebar lists various databases and tables, including 'emp table data' which is currently selected. The main area displays the results of a SQL query: `SELECT SUM(Sal) FROM `emp table data` WHERE Job= 'MANAGER';`. The result is a single row with the value 8275.00 under the heading 'SUM(Sal)'. Below the results, there are options to print, copy to clipboard, export, display a chart, or create a view. A 'Query results operations' section allows bookmarking the query with a label and sharing it.

xxi. List the emps whose names contains 'A'.

The screenshot shows the phpMyAdmin interface for the same database. The user has run a new SQL query: `SELECT * FROM `emp table data` WHERE Ename LIKE '%A%';`. The results are displayed in a grid table with columns: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, and Deptno. The results show eight employees whose names start with 'A': ALLEN, WARD, MARTIN, BLAKE, ADAMS, and JAMES. The grid includes edit, copy, and delete buttons for each row. Below the grid, there are buttons for checking all rows and performing bulk operations like edit, copy, or delete.

xxii. Find all the emps who earn the minimum Salary for each job wise in ascending order.

The screenshot shows the phpMyAdmin interface with the following details:

- Left sidebar:** Shows databases like advancejava, department table, emp table data, information_schema, myapp, mysql, performance_schema, phpmyadmin, swing, test, and toys.
- Top bar:** Shows tabs for 'java_assignment.pdf' and 'localhost / 127.0.0.1 / emp table'. The URL is 'localhost/phpmyadmin/index.php?route=/sql&pos=0&db=emp+table+data&table=emp+table+data'.
- Toolbar:** Includes 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'More'.
- Query results:** A green box at the top says 'Showing rows 0 - 6 (7 total, Query took 0.0174 seconds.) [Sal: 800.00... - 5000.00...]' followed by the SQL query: 'SELECT * FROM `emp table data` WHERE Sal IN (SELECT min(Sal) FROM `emp table data` GROUP BY Job) ORDER BY Sal ASC;'. Below it is a table with 7 rows of employee data.
- Table Data:** The table has columns: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, Deptno4. The data includes rows for Smith, Ward, Martin, Clark, Ford, Scott, and King.
- Bottom status bar:** Shows the Windows taskbar, system tray, and a notification bar indicating 30°C, Mostly cloudy, 19:41, ENG, and 06-04-2023.

xxiii. List the emps whose sal greater than Blake's sal.

The screenshot shows the phpMyAdmin interface with the following details:

- Left sidebar:** Shows databases like advancejava, department table, emp table data, information_schema, myapp, mysql, performance_schema, phpmyadmin, swing, test, and toys.
- Top bar:** Shows tabs for 'java_assignment.pdf' and 'localhost / 127.0.0.1 / emp table'. The URL is 'localhost/phpmyadmin/index.php?route=/sql&pos=0&db=emp+table+data&table=emp+table+data'.
- Toolbar:** Includes 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'More'.
- Query results:** A green box at the top says 'Showing rows 0 - 3 (4 total, Query took 0.0012 seconds.)' followed by the SQL query: 'SELECT * FROM `emp table data` WHERE Sal > (SELECT Sal FROM `emp table data` WHERE Ename = 'BLAKE');'. Below it is a table with 4 rows of employee data.
- Table Data:** The table has columns: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, Deptno4. The data includes rows for Jones, Scott, King, and Ford.
- Bottom status bar:** Shows the Windows taskbar, system tray, and a notification bar indicating 30°C, Mostly cloudy, 19:43, ENG, and 06-04-2023.

xxiv. Create view v1 to select ename, job, dname, loc whose deptno are same.

Showing rows 0 - 13 (14 total). Query took 0.0010 seconds.

```
SELECT * FROM `v10`
```

	Ename	Job	Dname	Loc
1	SMITH	CLERK	Research	Dallas
2	ALLEN	SALESMAN	Sales	Chicago
3	WARD	SALESMAN	Sales	Chicago
4	JONES	MANAGER	Research	Dallas
5	MARTIN	SALESMAN	Sales	Chicago
6	BLAKE	MANAGER	Sales	Chicago
7	CLARK	MANAGER	Accounting	New York
8	SCOTT	ANALYST	Research	Dallas
9	KING	PRESIDENT	Sales	Chicago
10	TURNER	SALESMAN	Sales	Chicago
11	ADAMS	CLERK	Research	Dallas
12	JAMES	CLERK	Sales	Chicago
13	FORD	ANALYST	Research	Dallas
14	MILLER	CLERK	Accounting	New York

STUDENT TABLE

localhost / 127.0.0.1 / department table > java_assignment.pdf

localhost/phpmyadmin/index.php?route=/table/structure&db=department+table&table=student+table

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	Rno	int(2)			No	None			Change Drop More
2	Sname	varchar(14)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	City	varchar(20)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	State	varchar(20)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Add to central columns Remove from central columns

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	Rno	0	A	No	

xxvi. Add column Pin with bigint data type in table student.

The screenshot shows the phpMyAdmin interface on a Windows desktop. The left sidebar lists databases and tables. The main area shows the results of an executed SQL query:

```
ALTER TABLE `student table` ADD Pin bigint(20);
```

The status bar at the bottom indicates it took 0.0005 seconds. The taskbar shows other open browser tabs and system icons.

The screenshot shows the phpMyAdmin interface on a Windows desktop. The left sidebar lists databases and tables. The main area shows the results of a SELECT query:

```
SELECT * FROM `student table`
```

The results table has columns Rno, Sname, City, State, and Pin. There are buttons for Query results operations (Create view, Bookmark this SQL query), a Label input field, and a checkbox for Let every user access this bookmark. The taskbar at the bottom shows other open browser tabs and system icons.

xxvii. Modify the student table to change the sname length from 14 to 40

The screenshot shows the phpMyAdmin interface. The left sidebar lists databases: advancejava, department table, emp table data, information_schema, myapp, mysql, performance_schema, phpmyadmin, swing, test, and toys. The 'student table' under 'department table' is selected. The top navigation bar has tabs for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. The SQL tab is active, displaying the query: `ALTER TABLE `student table` MODIFY Sname varchar(40);`. A message in the status bar indicates: MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.) Below the SQL tab is a 'Console' tab. The bottom status bar shows system information: 35°C Haze, 15:48, 07-04-2023, ENG.

The screenshot shows the phpMyAdmin interface with the 'student table' selected. The top navigation bar has tabs for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and More. The Structure tab is active, showing the table structure with columns: Rno (int(2)), Sname (varchar(40) utf8mb4_general_ci), City (varchar(20) utf8mb4_general_ci), State (varchar(20) utf8mb4_general_ci), and Pin (bigint(20)). The bottom status bar shows system information: 35°C Haze, 15:48, 07-04-2023, ENG.

