

## MySQL Exercise 1 (31-8-20) Solutions

-V Venkataraman (106118106)

1

-- 1a

```
CREATE USER 'dbuser'@'localhost' IDENTIFIED BY  
'password';
```

-- 1b

```
CREATE DATABASE mysampldb;  
use mysampldb;
```

-- 1c

```
GRANT ALL PRIVILEGES ON mysampldb.EMP TO  
'dbuser'@'localhost';  
FLUSH PRIVILEGES;
```

-- Question 3

-- 3a

```
CREATE TABLE EMP(  
    EMPNO int(6),  
    ENAME varchar(20) NOT NULL,  
    JOB varchar(10) NOT NULL,  
    DEPTNO int(3),  
    SAL double(7,2)  
);
```

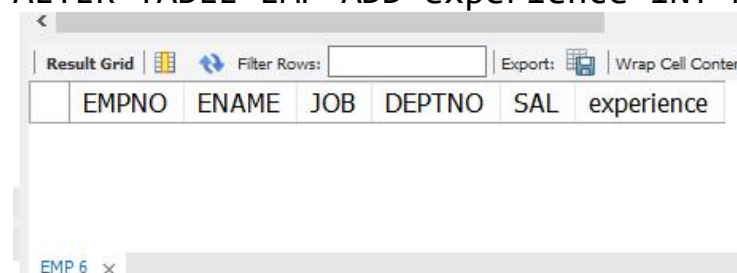


The screenshot shows a MySQL database interface with a table named EMP. The table has five columns: EMPNO, ENAME, JOB, DEPTNO, and SAL. The interface includes a toolbar with options like Result Grid, Filter Rows, Export, and Wrap Cell Content.

EMPNO	ENAME	JOB	DEPTNO	SAL
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-- 3b

```
ALTER TABLE EMP ADD experience INT NULL;
```



The screenshot shows the same MySQL database interface as before, but now the EMP table has six columns: EMPNO, ENAME, JOB, DEPTNO, SAL, and experience. The interface includes a toolbar with options like Result Grid, Filter Rows, Export, and Wrap Cell Content.

EMPNO	ENAME	JOB	DEPTNO	SAL	experience
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-- 3c

```
ALTER TABLE EMP MODIFY COLUMN JOB varchar(30) NOT NULL;
```

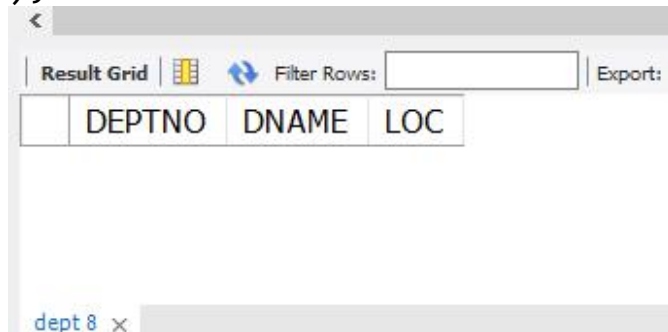


The screenshot shows a database tool interface with a 'Result Grid' tab. The grid displays the columns of the EMP table: EMPNO, ENAME, JOB, DEPTNO, SAL, and experience. The 'experience' column is highlighted in blue. The toolbar includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' button. The status bar at the bottom indicates 'EMP 7'.

EMPNO	ENAME	JOB	DEPTNO	SAL	experience
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-- 3d

```
CREATE TABLE dept(  
    DEPTNO int(2),  
    DNAME varchar(10),  
    LOC varchar(10)  
);
```

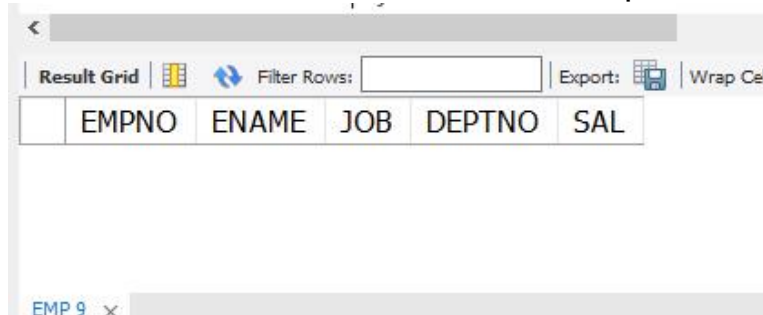


The screenshot shows a database tool interface with a 'Result Grid' tab. The grid displays the columns of the dept table: DEPTNO, DNAME, and LOC. The 'DEPTNO' column is highlighted in blue. The toolbar includes a 'Filter Rows' input field and an 'Export' button. The status bar at the bottom indicates 'dept 8'.

DEPTNO	DNAME	LOC
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-- 3e

```
ALTER TABLE EMP DROP COLUMN experience;
```



The screenshot shows a database tool interface with a 'Result Grid' tab. The grid displays the columns of the EMP table: EMPNO, ENAME, JOB, DEPTNO, and SAL. The 'SAL' column is highlighted in blue. The toolbar includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' button. The status bar at the bottom indicates 'EMP 9'.

EMPNO	ENAME	JOB	DEPTNO	SAL
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-- Question 4

-- 4a

```
INSERT INTO dept VALUES(106, "CSE", "East");
```

The screenshot shows a database query result grid. The grid has three columns: DEPTNO, DNAME, and LOC. There is one row with the values 106, CSE, and East. The grid is titled 'dept 10'.

DEPTNO	DNAME	LOC
106	CSE	East

-- 4b

```
INSERT INTO EMP VALUES (1001,"Alice","Manager",2, 10000.00), (1002,"Bob","Engineer",8, 50000.00), (1003,"Charlie","Sales",5, 5000.00);
```

The screenshot shows a database query result grid. The grid has six columns: EMPNO, ENAME, JOB, DEPTNO, and SAL. There are three rows with the values (1001, Alice, Manager, 2, 10000.00), (1002, Bob, Engineer, 8, 50000.00), and (1003, Charlie, Sales, 5, 5000.00). The grid is titled 'EMP 11'.

EMPNO	ENAME	JOB	DEPTNO	SAL
1001	Alice	Manager	2	10000.00
1002	Bob	Engineer	8	50000.00
1003	Charlie	Sales	5	5000.00

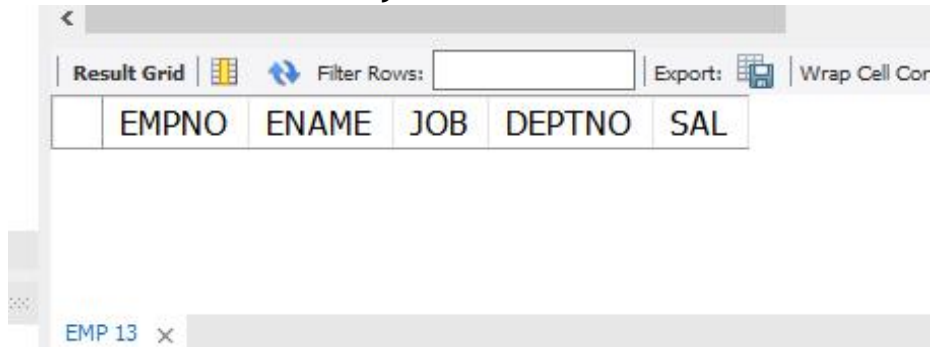
-- 4c

```
SELECT ENAME, JOB from EMP;
```

The screenshot shows a database query result grid. The grid has two columns: ENAME and JOB. There are three rows with the values (Alice, Manager), (Bob, Engineer), and (Charlie, Sales). The grid is titled 'EMP 12'.

ENAME	JOB
Alice	Manager
Bob	Engineer
Charlie	Sales

```
-- Question 5
-- 5a
TRUNCATE TABLE EMP;
```



The screenshot shows a database client window with a toolbar at the top containing 'Result Grid', a grid icon, a refresh icon, 'Filter Rows:' with an input field, 'Export:' with a file icon, and 'Wrap Cell Cor'. Below the toolbar is a table with five columns: EMPNO, ENAME, JOB, DEPTNO, and SAL. The table is currently empty. At the bottom left of the window, there is a tab labeled 'EMP 13' with a close button 'x'.

EMPNO	ENAME	JOB	DEPTNO	SAL
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```
-- 5b
DROP TABLE dept;
```

```
-- Question 6
-- 6a
REVOKE ALL PRIVILEGES on mysamp1db.EMP FROM
'dbuser'@'localhost';
FLUSH PRIVILEGES;
```

```
-- 6b
CREATE USER 'dbuser1'@'localhost' IDENTIFIED BY
'password';
```

```
-- 6c
GRANT SELECT ON mysamp1db.EMP TO 'dbuser1'@'localhost';
FLUSH PRIVILEGES;
```

```
-- 6d
REVOKE SELECT on mysamp1db.EMP FROM
'dbuser1'@'localhost';
FLUSH PRIVILEGES;
```