

## ASD LAB

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Roll no: 5

### Question-1

(i) Create a database

> ~~CREATE DATABASE~~ TEST1

(ii) Select the current database

> Use ~~test 1~~

(iii) Create the following tables:-

(iv) Give necessary constraints.

a) employee (emp-no, emp-name, DOB, address, doj, mobile-no, dept-no, salary).

> CREATE TABLE employee (emp-no int primary key not null, emp-name varchar (25) not null, DOB date not null, address varchar (25) not null, DOJ ~~date~~ not null, mobile-no int not null, dept-no int not null, salary int not null);

b) department (dept-no dept-name location)

> ~~CREATE TABLE~~ department (dept-no int primary key not null, dept-name varchar (25), location varchar (25));

(v) List all table in the current database  
> show tables;

(vi) Display the structure of employee table  
> describe employee;

(vii) Add new column Designation to the employee table  
> ALTER TABLE employee;  
> ADD COLUMN designation varchar (25);

(viii) Drop the column location from dept table  
> ALTER TABLE department  
> DROP COLUMN location;

(ix) Drop the tables.

> DROP TABLE employee;  
> DROP TABLE department

(x) Delete the database

> Drop ~~DATABASE~~ test 1;

Enter password: \*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 26

Server version: 8.0.20 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql&gt; CREATE DATABASE TEST1;

Query OK, 1 row affected (0.01 sec)

mysql&gt; show databases;

Database
employe
employee
information_schema
mysql
performance_schema
sys
test1

7 rows in set (0.00 sec)

mysql&gt; use TEST1;

Database changed

mysql&gt; SHOW tables;

Empty set (0.00 sec)

mysql&gt; CREATE TABLE employee(emp\_no int primary key not null,emp\_name varchar(25) not null,DOB datetime not null,address varchar(50) not null,DOJ datetime not null,mobile\_no int not null,dept\_no int not null,salary int not null);

Query OK, 0 rows affected (0.10 sec)

mysql&gt; CREATE TABLE department(dep\_no int primary key not null,dept\_name varchar(25),location varchar(25));

Query OK, 0 rows affected (0.06 sec)

mysql&gt; SHOW tables;

Tables_in_test1
department
employee

2 rows in set (0.01 sec)



Type here to search



8:35 PM

07-Sep-20



2 rows in set (0.01 sec)

mysql> DESCRIBE employee;

Field	Type	Null	Key	Default	Extra
emp_no	int	NO	PRI	NULL	
emp_name	varchar(25)	NO		NULL	
DOB	datetime	NO		NULL	
address	varchar(50)	NO		NULL	
DOJ	datetime	NO		NULL	
mobile_no	int	NO		NULL	
dept_no	int	NO		NULL	
salary	int	NO		NULL	

8 rows in set (0.00 sec)

mysql> DESCRIBE department;

Field	Type	Null	Key	Default	Extra
dept_no	int	NO	PRI	NULL	
dept_name	varchar(25)	YES		NULL	
location	varchar(25)	YES		NULL	

3 rows in set (0.00 sec)

mysql> ALTER TABLE employee  
-> ADD COLUMN Designation varchar(25);  
Query OK, 0 rows affected (0.03 sec)  
Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE department  
-> DROP COLUMN location;  
Query OK, 0 rows affected (0.10 sec)  
Records: 0 Duplicates: 0 Warnings: 0

mysql> DROP TABLE employee;  
Query OK, 0 rows affected (0.03 sec)

mysql> DROP TABLE department;  
Query OK, 0 rows affected (0.03 sec)

mysql> DROP DATABASE TEST1;  
Query OK, 0 rows affected (0.01 sec)

mysql> DROP DATABASE employee;DROP DATABASE employee;

