

Assignment 2

1. Create a table employee with attributes emp_id, f_name, l_name, job_type, salary, dept, commission, manager_id.

```
CREATE DATABASE ASSIGNMENT2;
```

```
USE ASSIGNMENT2;
```

```
CREATE TABLE EMPLOYEE (
```

```
emp_id int primary key,
```

```
f_name varchar(20),
```

```
l_name varchar(20),
```

```
job_type varchar(20),
```

```
salary int,
```

```
dept varchar(10),
```

```
commission double,
```

```
manager_id int);
```

2. Make emp_id as the primary key of employee table.

```
ALTER TABLE EMPLOYEE
```

```
ADD PRIMARY KEY emp_id;
```

3. Make f_name and salary NOT NULL type.

```
ALTER TABLE EMPLOYEE
```

```
MODIFY f_name varchar(20) NOT NULL,
```

```
MODIFY salary int NOT NULL;
```

4. Add a column date_of_joining in the employee table.

```
ALTER TABLE EMPLOYEE
```

```
ADD doj DATE;
```

	Field	Type	Null	Key	Default	Extra
►	emp_id	int	NO	PRI	NULL	
	f_name	varchar(20)	NO		NULL	
	l_name	varchar(20)	YES		NULL	
	job_type	varchar(20)	YES		NULL	
	salary	int	NO		NULL	
	dept	varchar(10)	YES		NULL	
	commission	double	YES		NULL	
	manager_id	int	YES		NULL	
	doj	date	YES		NULL	

5. Create a table department with attribute d_name, d_loc and HOD_id where d_name is primary key.

```
CREATE TABLE department(
```

```
d_name varchar(20) primary key,
```

```
d_loc varchar(20),
```

```
HOD_ID int);
```

6. Create a table location with attributes loc_id, city and contact_no.

```
CREATE TABLE location(
```

```
loc_id int,
```

```
city varchar(20),
```

```
contact_no int);
```

7. Enhance the size of the 'city' attribute by 5, in the location table.

ALTER TABLE location

MODIFY city varchar(5);

8. Delete the contact_no attribute from the location table.

ALTER TABLE location

Drop contact_no;

	Field	Type	Null	Key	Default	Extra
▶	loc_id	int	YES		NULL	
	city	varchar(5)	YES		NULL	

9. Make the department attribute of the employee table its foreign key referencing the department table.

Alter table EMPLOYEE

ADD foreign key (dept) references department(d_name);

10. Rename the city attribute to 'address' in the location table.

ALTER TABLE location

RENAME column city to address;