Practical Assignment 2: Design and implement a database (for assignment no 1) using
DDL statements and apply normalization on them.

```
mysql> create database Employee;
Query OK, 1 row affected (0.03 sec)

mysql> use Employee
Database changed

mysql> create table Employee
    -> (
    -> Emp_id int(10) primary key,
    -> Emp_no int(10),
    -> MGR int(10),
    -> SAL int(10),
    -> Emp_name varchar (20),
    -> HIREDATE DATE,
    -> COMM int(10)
    -> );
Query OK, 0 rows affected, 5 warnings (0.06 sec)

mysql> desc Employee;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| Emp_id   | int         | NO   | PRI | NULL    |       |
| Emp_no   | int         | YES  |     | NULL    |       |
| MGR      | int         | YES  |     | NULL    |       |
| SAL      | int         | YES  |     | NULL    |       |
| Emp_name | varchar(20) | YES  |     | NULL    |       |
| HIREDATE | date        | YES  |     | NULL    |       |
| COMM     | int         | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
7 rows in set (0.03 sec)

mysql> create table Department
    -> (
    -> D_Name char(20),
    -> Dept_id int(10) primary key,
    -> Location varchar (20)
    -> );
Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> desc Department;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| D_Name   | char(20)    | YES  |     | NULL    |       |
| Dept_id  | int         | NO   | PRI | NULL    |       |
| Location | varchar(20) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> create table EmployeeDepartment
    -> (
    -> EMP_id int(10),
    -> Dept_no int(10),
```

```
    -> primary key(EMP_id, Dept_no),
    -> foreign key(EMP_id) references Employee(Emp_id),
    -> foreign key(Dept_no) references Department(Dept_id)
    -> );
Query OK, 0 rows affected, 2 warnings (0.06 sec)


mysql> desc EmployeeDepartment;
+---------+------+------+-----+---------+-------+
| Field   | Type | Null | Key | Default | Extra |
+---------+------+------+-----+---------+-------+
| EMP_id  | int  | NO   | PRI | NULL    |       |
| Dept_no | int  | NO   | PRI | NULL    |       |
+---------+------+------+-----+---------+-------+
2 rows in set (0.00 sec)

mysql> create table Project
    -> (
    -> proj_name varchar(20),
    -> proj_id int(10) primary key,
    -> start_date DATE,
    -> end_date DATE
    -> );
Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> desc Project;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| proj_name  | varchar(20) | YES  |     | NULL    |       |
| proj_id    | int         | NO   | PRI | NULL    |       |
| start_date | date        | YES  |     | NULL    |       |
| end_date   | date        | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> create table Dependent
    -> (
    -> Dep_name varchar(20) primary key,
    -> EMP_id int (10),
    -> Realationship char(20),
    -> foreign key(EMP_id) references Employee(EMP_id)
    -> );
Query OK, 0 rows affected, 1 warning (0.07 sec)

mysql> desc Dependent;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| Dep_name      | varchar(20) | NO   | PRI | NULL    |       |
| EMP_id        | int         | YES  | MUL | NULL    |       |
| Realationship | char(20)    | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```