# Assignment hr schema

- 1. create database hrdb;
- 2. use hrdb;

Database changed

3. Regions table:

```
create table regions
(
region_id int primary key,
region_name varchar(30)
):
```

Output:- desc regions;

```
mysal>
mysql> desc regions;
                                               Default
 Field
                                 Nu 11
                                        Key
                                                          Extra
                 Type
  region_id
                 int
                                 NO
                                         PRI
                                               NULL
                 varchar(30)
                                 YES
  region_name
                                               NULL
  rows in set (0.01 sec)
```

4. countries table:

```
create table countries
(
country_id int primary key,
country_name varchar(30),
region_id int
);
```

alter table countries add constraint regions\_fk foreign key(region\_id) references regions(region\_id);

#### Output:- desc countries;

```
mysql> create table countries
-> (

-> country_id int primary key,

-> country_name varchar(30),

-> region_id int

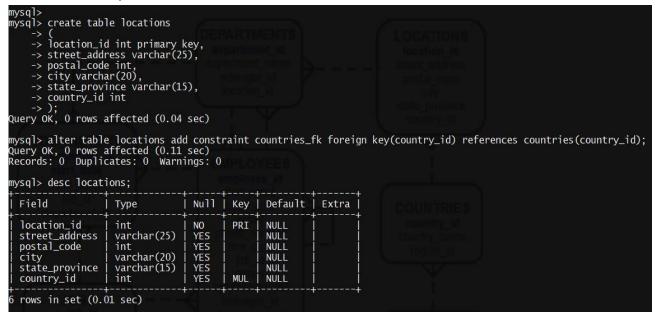
-> );

Query OK, 0 rows affected (0.05 sec)
mysql> alter table countries add constraint regions_fk foreign key(region_id) references regions(region_id);
Query OK, O rows affected (0.13 sec)
Records: O Duplicates: O Warnings: O
nysql> desc countries;
 Field
                            Туре
                                                   Nu11
                                                               Key
                                                                          Default | Extra |
  country_id
country_name
region_id
                           varchar(30)
int
                                                    NO
YES
YES
                                                                PRT
                                                                          NULL
                                                                MUL
                                                                          NULL
  rows in set (0.01 sec)
  /sql>
```

#### 5) locations table:

```
create table locations
(
location_id int primary key,
street_address varchar(25),
postal_code int,
city varchar(20),
state_province varchar(15),
country_id int
);
alter table locations add constraint countries_fk foreign key(country_id) references
countries(country_id);
```

## Output:- desc locations;



#### 6) departments table:-

```
create table departments
(
dept_id int primary key,
dept_name varchar(30),
manager_id int,
location_id int
);
```

alter table departments add constraint locations\_fk foreign key(location\_id) references locations(location\_id);

#### Output:- desc departments;

```
mysql> create table departments
      -> t

-> dept_id int primary key,

-> dept_name varchar(30),

-> manage_id int,

-> location_id int
 Query OK, 0 rows affected (0.04 sec)
mysql> alter table departments add constraint locations_fk foreign key(location_id)references locations(location_id);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc departments;
                                             Null | Key |
                                                                Default | Extra
  Field
  dept_id
dept_name
                        int
                                                        PRT
                                                                 NULL
                       varchar(30)
int
                                             NO
                                             YES
                                                                 NULL
   manage_id | int
location_id | int
                                             YES
YES
                                                                 NULL
NULL
                                                        MUL
   rows in set (0.00 sec)
```

### 7) jobs table:

```
create table jobs
(
job_id int primary key,
job_title varchar(20),
min_salary double,
max_salary double
);
```

## Output:- desc jobs;

```
mysql> create table jobs
         job_id int primary key,
job_title varchar(20),
min_salary double,
max_salary double
-> );
Query OK, 0 rows affected (0.04 sec)
mysql> desc jobs;
  Field
                                                     Key
                                                              Default.
                                           Nu11
                                                                             Extra
  job_id
job_title
min_salary
max_salary
                                           NO
                                                     PRI
                                                               NULL
                      int
                      varchar(20)
                                           YES
                                                              NULL
                      double.
                                           YES
                                                              NULL
                      double
                                                              NULL
  rows in set (0.01 sec)
 nysql>
```

#### 8) employees table:

```
create table employees
(
emp_id int primary key,
first_name varchar(25),
last_name varchar(25),
email varchar(30),
phone_no varchar(10),
hire_date date,
job_id int,
salary double,
commission_pct double,
```

```
manager_id int ,
dept id int
);
```

alter table employees add constraint jobs fk foreign key(job id) references jobs(job\_id);

alter table employees add constraint departments fk foreign key(dept id) references departments(dept id);

#### **Output:-**

```
mysql> create table employees
        -> employee_id int primary key,
-> first_name varchar(25),
       -> first_name varchar(25),
-> last_name varchar(25),
-> email varchar(30),
-> phone_number varchar(10),
-> hire_date date,
-> job_id int,
-> salary double,
-> commission_pct double,
-> manager_id int,
-> department id int
        -> department_id int
-> );
Query OK, 0 rows affected (0.07 sec)
mysql> alter table employees add constraint job_fk foreign key(job_id)references jobs(job_id);
Query OK, O rows affected (0.08 sec)
Records: O Duplicates: O Warnings: O
mysql> alter table employees add constraint departments_fk foreign key(department_id) references departments(dept_id);
Query OK, 0 rows affected (0.15 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

#### 9) job history table:

```
create table job history
                   emp_id int,
                   start date date,
                   end_date date,
                   job_id int ,
                   dept id int,
                   primary key(emp_id, start_date)
                   );
                    alter table job history add constraint jobs fk1 foreign key(job id) references
                   jobs(job id);
                   alter table job history add constraint departments fk1 foreign key(dept id) references
                   departments(dept id);
Output:- desc job history;
```