Queries

- **create database hrdatabase;**
- **use hrdatabase;**

- **mysql> create table jobs (job_id int primary key,job_title varchar(20),min_salary varchar(20),max_salary varchar(20));**
- Query OK, 0 rows affected (0.11 sec)

- **mysql> desc jobs;**
- +------------+-------------+------+-----+---------+-------+
- | Field | Type | Null | Key | Default | Extra |
- +------------+-------------+------+-----+---------+-------+
- | job_id | int | NO | PRI | NULL | |
- | job_title | varchar(20) | YES | | NULL | |
- | min_salary | varchar(20) | YES | | NULL | |
- | max_salary | varchar(20) | YES | | NULL | |
- +------------+-------------+------+-----+---------+-------+
- 4 rows in set (0.00 sec)

- **mysql> create table job_history (employee_id int,start_date date,end_date date,job_id int ,department_id int,foreign key(job_id)references jobs(job_id));**
- Query OK, 0 rows affected (0.17 sec)

- **mysql> desc job_history;**
- +---------------+------+------+-----+---------+-------+
- | Field | Type | Null | Key | Default | Extra |
- +---------------+------+------+-----+---------+-------+
- | employee_id | int | YES | | NULL | |
- | start_date | date | YES | | NULL | |
- | end_date | date | YES | | NULL | |
- | job_id | int | YES | MUL | NULL | |
- | department_id | int | YES | | NULL | |
- +---------------+------+------+-----+---------+-------+
- 5 rows in set (0.00 sec)

- **mysql> create table departments (department_id int primary key,department_name varchar(30),manager_id int,location_id int);**
- Query OK, 0 rows affected (0.10 sec)

- **mysql> desc departments;**
- +-----------------+-------------+------+-----+---------+-------+
- | Field | Type | Null | Key | Default | Extra |
- +-----------------+-------------+------+-----+---------+-------+

- | department_id | int | NO | PRI | NULL | |
- | department_name | varchar(30) | YES | | NULL | |
- | manager_id | int | YES | | NULL | |
- | location_id | int | YES | | NULL | |
- +----------------+-------------+------+-----+---------+-------+
- 4 rows in set (0.00 sec)

- **mysql> create table locations (location_id int primary key,street_address varchar(100),postal_code varchar(20),city varchar(30),state_province varchar(30),country_id int);**
- Query OK, 0 rows affected (0.60 sec)

- **mysql> desc locations;**
- +----------------+-------------+------+-----+---------+-------+
- | Field | Type | Null | Key | Default | Extra |
- +----------------+-------------+------+-----+---------+-------+
- | location_id | int | NO | PRI | NULL | |
- | street_address | varchar(100) | YES | | NULL | |
- | postal_code | varchar(20) | YES | | NULL | |
- | city | varchar(30) | YES | | NULL | |
- | state_province | varchar(30) | YES | | NULL | |
- | country_id | int | YES | | NULL | |
- +----------------+-------------+------+-----+---------+-------+
- 6 rows in set (0.00 sec)

- **mysql> create table countries(country_id int primary key,country_name varchar(30),region_id int);**
- Query OK, 0 rows affected (0.08 sec)

- **mysql> desc countries;**
- +--------------+-------------+------+-----+---------+-------+
- | Field | Type | Null | Key | Default | Extra |
- +--------------+-------------+------+-----+---------+-------+
- | country_id | int | NO | PRI | NULL | |
- | country_name | varchar(30) | YES | | NULL | |
- | region_id | int | YES | | NULL | |
- +--------------+-------------+------+-----+---------+-------+
- 3 rows in set (0.00 sec)

- **mysql> create table regions(region_id int primary key,region_name varchar(30));**
- Query OK, 0 rows affected (0.11 sec)

- **mysql> desc regions;**
- +-------------+-------------+------+-----+---------+-------+

- | Field | Type | Null | Key | Default | Extra |
- +-------------+-------------+------+-----+---------+-------+
- | region_id | int | NO | PRI | NULL | |
- | region_name | varchar(30) | YES | | NULL | |
- +-------------+-------------+------+-----+---------+-------+
- 2 rows in set (0.00 sec)

- **mysql> create table employees(employee_id int primary key,first_name varchar(30),last_name varchar(30),email varchar(30),phone_number varchar(10),hire_date date,job_id int,salary float,commission_pct float, manager_id int,department_id int,foreign key (job_id) references jobs(job_id),foreign key(manager_id)references employees(employee_id),foreign key(department_id)references departments(department_id));**
- Query OK, 0 rows affected (0.18 sec)

- **mysql> desc employees;**
- +----------------+-------------+------+-----+---------+-------+
- | Field | Type | Null | Key | Default | Extra |
- +----------------+-------------+------+-----+---------+-------+
- | employee_id | int | NO | PRI | NULL | |
- | first_name | varchar(30) | YES | | NULL | |
- | last_name | varchar(30) | YES | | NULL | |
- | email | varchar(30) | YES | | NULL | |
- | phone_number | varchar(10) | YES | | NULL | |
- | hire_date | date | YES | | NULL | |
- | job_id | int | YES | MUL | NULL | |
- | salary | float | YES | | NULL | |
- | commission_pct | float | YES | | NULL | |
- | manager_id | int | YES | MUL | NULL | |
- | department_id | int | YES | MUL | NULL | |
- +----------------+-------------+------+-----+---------+-------+
- 11 rows in set (0.00 sec)

- **mysql> alter table countries add foreign key (region_id) references regions(region_id);**
- Query OK, 0 rows affected (0.29 sec)
- Records: 0 Duplicates: 0 Warnings: 0

- **mysql> alter table locations add foreign key (country_id) references countries(country_id);**
- Query OK, 0 rows affected (0.24 sec)
- Records: 0 Duplicates: 0 Warnings: 0

- **mysql> alter table job_history add foreign key (department_id) references departments(department_id);**
- Query OK, 0 rows affected (0.20 sec)

- Records: 0 Duplicates: 0 Warnings: 0

- **mysql> show tables;**
- +----------------------+
- | Tables_in_hrdatabase |
- +----------------------+
- | countries |
- | departments |
- | employees |
- | job_history |
- | jobs |
- | locations |
- | regions |
- +----------------------+
- 7 rows in set (0.06 sec)