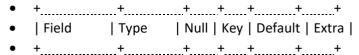
Name: Priyanka Ray SQL Assignment 01

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;

- 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;

- 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;



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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; +	depart manag locatio	ment_name er_id int n_id int	nt NO varchar(30 : YES YES + +) YES 	NULL 			
+ + + + + + + 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 country_id int YES NULL +	varchar(varchar(100),postal_ 30),country_	code varcha id int);	r(20),city va	-	•	_	
Field Type Null Key Default Extra +								
+ + + + + + + + + + + + + + + + + + +	+ locatio street_ postal_ city state_p countre + locatio	h_id int address va code var varchar(province va y_id int set (0.00 se	+ + NO rchar(100) char(20) Y (30) YES rchar(30) YES + + c)	+ + PRI NULL YES N ES NULL YES N NULL + +	+ ULL ULL 	l ·	ntry_name	
Field Type Null Key Default Extra +	• •		-					
country_id int	Field	Type	Null Key	Default	Extra			
	countr countr region_ +	/_id int /_name va _id int +	NO Pl rchar(30) Y YES + +	RI NULL ES NU NULL	 JLL 	I		
Quely 2.19 2.10 2.10 2.10 2.10 2.10 (0.12 2.00)					mary key,	region_	name varch	ar(30));

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•	Field Type	Null Key Default Extra	
•	+ +	+ + + + + +	
•	region_id int	NO PRI NULL	
•	region_name va	rchar(30) YES NULL	
•	+ +	+ + + + + +	
•	2 rows in set (0.00 s	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 | |
  + + + + + + +
 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;

- +<u>+</u>+
- | Tables_in_hrdatabase |
- + +
- | countries |
- | departments |
- | employees |
- | job_history |
- | jobs
- | locations
- regions
- + +
- 7 rows in set (0.06 sec)