SQL\_DDL  
**Первая часть.**

Таблица **employees**

1. Создать таблицу employees  
   - id. serial,  primary key,  
   - employee\_name. Varchar(50), not null

**CREATE table employees (**

**id serial primary key,**

**employee\_name VARCHAR(50) not null**

**);**

2.Наполнить таблицу employee 70 строками.

**INSERT INTO employees (employee\_name)**

**VALUES (Anton), ( Thomas Hardy), ( Antonio Moreno),( Hanna Moos),( Elizabeth Lincoln), ……….. ;**

Таблица **salary**

1. Создать таблицу salary  
   - id. Serial  primary key,  
   - monthly\_salary. Int, not null

**CREATE table salary (**

**id serial primary key,**

**monthly\_salary INT not null**

**) ;**

4.Наполнить таблицу salary 15 строками:

**INSERT INTO salary (monthly\_salary)**

**VALUES (1000),**

**(1100),  
 (1200),  
 (1300),**

**(1400),  
 (1500),  
 (1600),  
 (1700),  
 (1800),**

**(1900),  
 (2000),**

**(2100),  
 (2200),  
 (2300),  
 (2400),  
 (2500);**

Таблица **employee\_salary**

1. Создать таблицу employee\_salary  
   - id. Serial  primary key,  
   - employee\_id. Int, not null, unique

- salary\_id. Int, not null

**CREATE table employee\_salary (**

**Id serial primary key,**

**employee\_id int not null unique ,**

**salary\_id Int not null**

**);**

1. Наполнить таблицу employee\_salary 40 строками:  
   - в 10 строк из 40 вставить несуществующие employee\_id

**INSERT INTO employee\_salary (employee\_id, salary\_id)**

**VALUES (3,7),**

**(1,4),**

**(5,9),**

**(40,13),**

**(23,4),**

**(11,2),**

**(52,10),**

**(15,13),**

**(26,4)**

**(……….) ;**

|  |  |  |
| --- | --- | --- |
| id | employee\_id | salary\_id |
| 1 | 3 | 7 |
| 2 | 1 | 4 |
| 3 | 5 | 9 |
| 4 | 40 | 13 |
| 5 | 23 | 4 |
| 6 | 11 | 2 |
| 7 | 52 | 10 |
| 8 | 15 | 13 |
| 9 | 26 | 4 |
| 10 | 16 | 1 |
| 11 | 33 | 7 |
| ... | ... | ... |

Таблица **roles**

1. Создать таблицу roles  
   - id. Serial  primary key,  
   - role\_name. int, not null, unique

**CREATE table roles (**

**Id serial primary key,**

**role\_name INT NOT NULL UNIQUE**

**);**

1. Поменять тип столба role\_name с int на varchar(30)
2. Наполнить таблицу roles 20 строками:

**INSERT INTO roles (role\_name)**

**VALUES (Junior Python developer), (Middle Python developer), (Senior Python developer), (Junior Java developer), (Middle Java developer), (Senior Java developer), (Junior JavaScript developer), (Middle JavaScript developer), (Senior JavaScript developer), (Junior Manual QA engineer), (Middle Manual QA engineer), (Senior Manual QA engineer), (Project Manager), (Designer), (HR), (CEO), (Sales manager), (Junior Automation QA engineer), (Middle Automation QA engineer), (Senior Automation QA engineer);**

|  |  |
| --- | --- |
| id | role\_name |
| 1 | Junior Python developer |
| 2 | Middle Python developer |
| 3 | Senior Python developer |
| 4 | Junior Java developer |
| 5 | Middle Java developer |
| 6 | Senior Java developer |
| 7 | Junior JavaScript developer |
| 8 | Middle JavaScript developer |
| 9 | Senior JavaScript developer |
| 10 | Junior Manual QA engineer |
| 11 | Middle Manual QA engineer |
| 12 | Senior Manual QA engineer |
| 13 | Project Manager |
| 14 | Designer |
| 15 | HR |
| 16 | CEO |
| 17 | Sales manager |
| 18 | Junior Automation QA engineer |
| 19 | Middle Automation QA engineer |
| 20 | Senior Automation QA engineer |

Таблица **roles\_employee**

1. Создать таблицу **roles\_employee**  
   - id. Serial  primary key,  
   - employee\_id. Int, not null, unique (внешний ключ для таблицы employees, поле id)

- role\_id. Int, not null (внешний ключ для таблицы roles, поле id)

1. Наполнить таблицу **roles\_employee** 40 строками:

|  |  |  |
| --- | --- | --- |
| id | employee\_id | role\_id |
| 1 | 7 | 2 |
| 2 | 20 | 4 |
| 3 | 3 | 9 |
| 4 | 5 | 13 |
| 5 | 23 | 4 |
| 6 | 11 | 2 |
| 7 | 10 | 9 |
| 8 | 22 | 13 |
| 9 | 21 | 3 |
| 10 | 34 | 4 |
| 11 | 6 | 7 |
| ... | ... | ... |