SQL\_DDL\_Joins

Таблица **employees**

1. Создать таблицу employees  
   - id. serial,  primary key,  
   - employee\_name. Varchar(50), not null
2. Наполнить таблицу employee 70 строками.

Таблица **salary**

1. Создать таблицу salary  
   - id. Serial  primary key,  
   - monthly\_salary. Int, not null
2. Наполнить таблицу salary 15 строками:  
   - 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

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

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

|  |  |
| --- | --- |
| 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 |
| ... | ... | ... |