1. Cоздание таблицы

**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** ('Anzhelika'),

('Veronika'),

('Aleksandr'),

('Oleg'),

('Piter'),

('Alena'),

('Kostja'),

('Dima'),

('Oksana'),

('Anton'),

('Elena'),

('Vova'),

('Nikita'),

('Petr'),

('Andrew'),

('Sweta'),

('Dasha'),

('Vitalina'),

('Violetta'),

('Stas'),

('Aleksei'),

('Anastasija'),

('Vika'),

('Irina'),

('Julia'),

('Anna'),

('Marija'),

('Kira'),

('Miron'),

('Egor'),

('Lew'),

('Denis'),

('Kirill'),

('Sergei'),

('Roman'),

('Agata'),

('Arina'),

('Karina'),

('Varvara'),

('Tanja'),

('Inna'),

('Stepan'),

('Milana'),

('Polina'),

('Katja'),

('Ivan'),

('Marta'),

('Kristina'),

('Eva'),

('Alina'),

('Diana'),

('Bogdan'),

('Robert'),

('Fedor'),

('David'),

('Platon'),

('Gena'),

('Olja'),

('Regina'),

('Leonid'),

('Bronislav'),

('Timyr'),

('Erika'),

('Zlata'),

('Zoja'),

('Jadviga'),

('Zahar'),

('Semen'),

('Miroslav'),

('Artemij');

**select** \* **from** employees;

3. Создать таблицу salary

**create** **table** salary(

id serial **primary** **key**,

monthly\_salary **int** **not** **null**

);

**select** \* **from** salary;

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);

5. Создать таблицу employee\_salary

**create** **table** employee\_salary(

id Serial **primary** **key**,

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

salary\_id **Int** **not** **null**

);

**select** \* **from** employee\_salary;

6. 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),

(522,10),

(15,13),

(26,4),

(16,1),

(33,7),

(42,15),

(56,6),

(7,2),

(8,7),

(17,1),

(18,2),

(19,6),

(64,13),

(55,4),

(66,1),

(37,7),

(38,6),

(25,8),

(54,4),

(81,1),

(22,2),

(28,6),

(24,5),

(12,4),

(165,1),

(2,2),

(36,6),

(4,2),

(21,4),

(78,6),

(39,12),

(13,6),

(35,2),

(27,4);

7. Создать таблицу roles

**create** **table** roles(

id serial **primary** **key**,

role\_name **int** **not** **null** **unique**

);

**select** \* **from** roles;

8. Поменять тип столба role\_name с **int** на **varchar**(30)

**ALTER** **TABLE** roles

**alter** **COLUMN** role\_name **type** **varchar**(30);

9. 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');

10. Создать таблицу roles\_employee

**create** **table** roles\_employee(

id serial **primary** **key**,

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

role\_id **int** **not** **null**,

**foreign** **key** (role\_id)

**references** roles(id),

**foreign** **key** (employee\_id)

**references** employees(id)

);

**select** \* **from** roles\_employee;

11. Наполнить таблицу roles\_employee 40 строками

**insert** **into** roles\_employee (employee\_id, role\_id)

**values** (7,2),

(20,4),

(3,9),

(5,13),

(23,4),

(11,2),

(10,9),

(22,13),

(21,3),

(34,4),

(6,7),

(1,1),

(2,2),

(4,3),

(8,5),

(9,12),

(12,6),

(13,8),

(14,10),

(15,11),

(16,1),

(17,12),

(18,6),

(19,14),

(24,15),

(25,16),

(26,17),

(27,1),

(28,19),

(29,20),

(30,1),

(31,2),

(32,8),

(33,6),

(35,7),

(36,10),

(37,12),

(38,16),

(39,15),

(40,4);

**DROP** **table** salary;

**DROP** **table** roles;

**DROP** **table** roles\_salary;

**DROP** **table** employee\_salary;