## 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

- 3) Создать таблицу salary
  - id. Serial primary key,
  - monthly\_salary. Int, not null
- 4) Наполнить таблицу salary 15 строками:
  - 1000
  - 1100
  - 1200
  - 1300
  - 1400
  - 1500
  - 1600
  - 1700
  - 1800
  - 1900
  - 2000
  - 2100
  - 2200
  - 2300
  - 2400
  - 2500

# Таблица employee\_salary

- 5) Создать таблицу employee\_salary
  - id. Serial primary key,
  - employee\_id. Int, not null, unique
  - salary\_id. Int, not null
- 6) 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

- 7) Создать таблицу roles
  - id. Serial primary key,
  - role\_name. int, not null, unique
- 8) Поменять тип столба role\_name c int на varchar(30)
- 9) 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		,
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  Lease Senior Manual QA engineer  Resigner  HResigner  Seles manager  Middle Automation QA engineer  Middle Automation QA engineer	id	role_name
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	1	Junior 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	2	Middle Python 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	3	Senior Python 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	4	Junior 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	5	Middle Java 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	6	Senior Java 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	7	Junior 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	8	Middle JavaScript developer
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	9	Senior JavaScript developer
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	10	Junior 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	11	Middle Manual QA engineer
14 Designer  15 HR  16 CEO  17 Sales manager  18 Junior Automation QA engineer  19 Middle Automation QA engineer	12	Senior Manual QA engineer
15 HR  16 CEO  17 Sales manager  18 Junior Automation QA engineer  19 Middle Automation QA engineer	13	Project Manager
16 CEO  17 Sales manager  18 Junior Automation QA engineer  19 Middle Automation QA engineer	14	Designer
17 Sales manager  18 Junior Automation QA engineer  19 Middle Automation QA engineer	15	HR
<ul> <li>Junior Automation QA engineer</li> <li>Middle Automation QA engineer</li> </ul>	16	CEO
19 Middle Automation QA engineer	17	Sales manager
	18	Junior Automation QA engineer
20 Senior Automation QA engineer	19	Middle Automation QA engineer
	20	Senior Automation QA engineer

## Таблица roles\_employee

- 10) 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)
- 11) 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