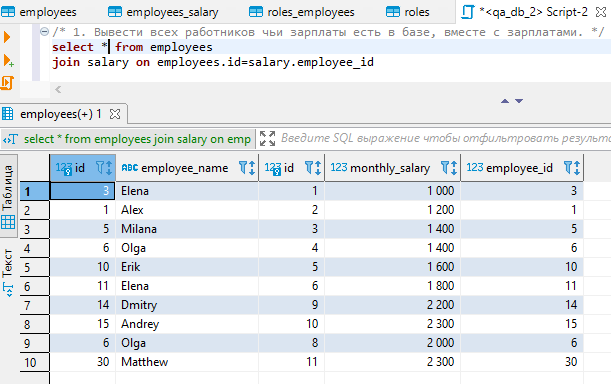
**JOIN задачи (HW 2)**

**1. Вывести всех работников чьи зарплаты есть в базе, вместе с зарплатами.**

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

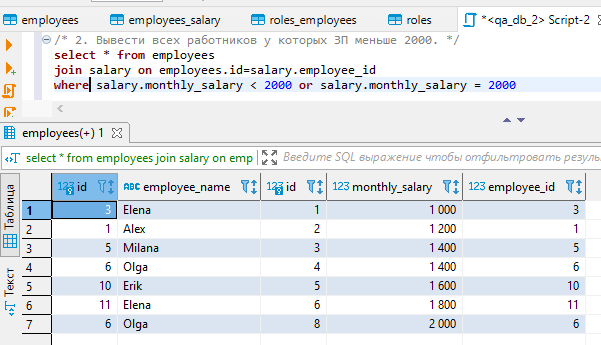
**join** salary **on** employees.id=salary.employee\_id 

**2. Вывести всех работников у которых ЗП меньше 2000.**

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

**join** salary **on** employees.id=salary.employee\_id

**where** salary.monthly\_salary < 2000 **or** salary.monthly\_salary = 2000

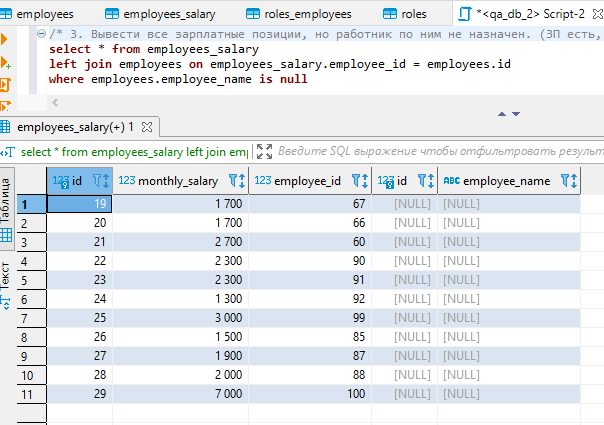


**3. Вывести все зарплатные позиции, но работник по ним не назначен. (ЗП есть, но не понятно кто её получает.)**

**select** \* **from** employees\_salary

**left** **join** employees **on** employees\_salary.employee\_id = employees.id

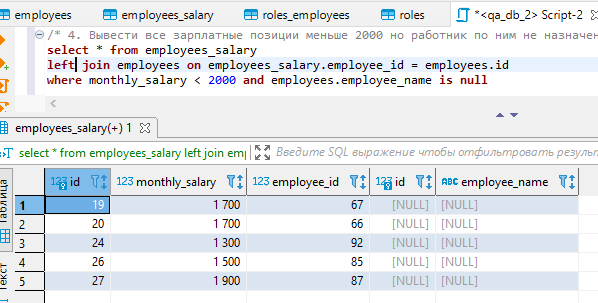
**where** employees.employee\_name **is** **null**



**4. Вывести все зарплатные позиции меньше 2000 но работник по ним не назначен. (ЗП есть, но не понятно кто её получает.)**

**select** \* **from** employees\_salary

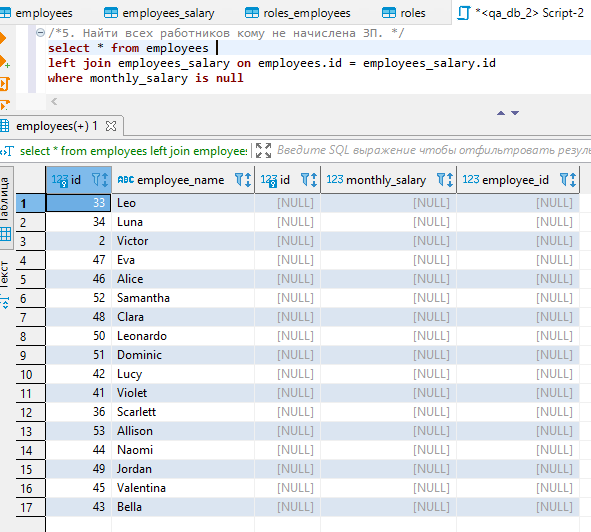
**left** **join** employees **on** employees\_salary.employee\_id = employees.id

**where** monthly\_salary < 2000 **and** employees.employee\_name **is** **null**

**5. Найти всех работников кому не начислена ЗП.**

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

**left** **join** employees\_salary **on** employees.id = employees\_salary.id

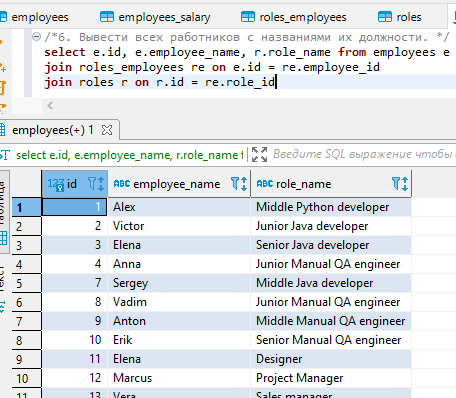
**where** monthly\_salary **is** **null**

**6. Вывести всех работников с названиями их должности.**

**select** e.id, e.employee\_name, r.role\_name **from** employees e

**join** roles\_employees re **on** e.id = re.employee\_id

**join** roles r **on** r.id = re.role\_id



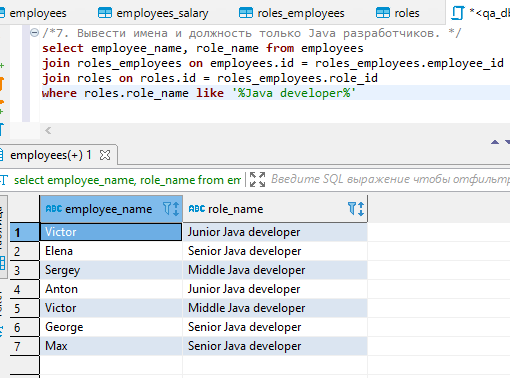
**7. Вывести имена и должность только Java разработчиков.**

**select** employee\_name, role\_name **from** employees

**join** roles\_employees **on** employees.id = roles\_employees.employee\_id

**join** roles **on** roles.id = roles\_employees.role\_id

**where** roles.role\_name **like** '%Java developer%'



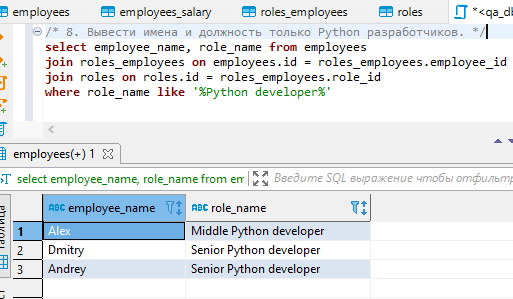
**8. Вывести имена и должность только Python разработчиков.**

**select** employee\_name, role\_name **from** employees

**join** roles\_employees **on** employees.id = roles\_employees.employee\_id

**join** roles **on** roles.id = roles\_employees.role\_id

**where** role\_name **like** '%Python developer%'



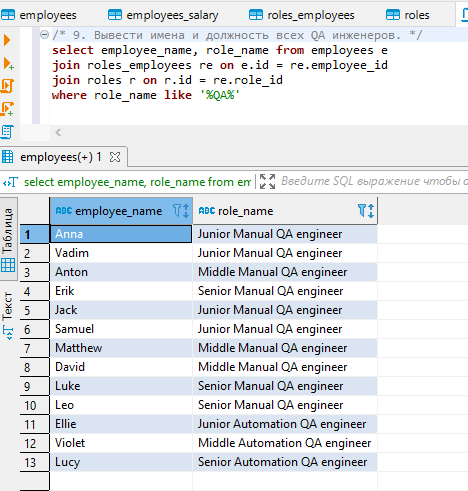
**9. Вывести имена и должность всех QA инженеров.**

**select** employee\_name, role\_name **from** employees e

**join** roles\_employees re **on** e.id = re.employee\_id

**join** roles r **on** r.id = re.role\_id

**where** role\_name **like** '%QA%'



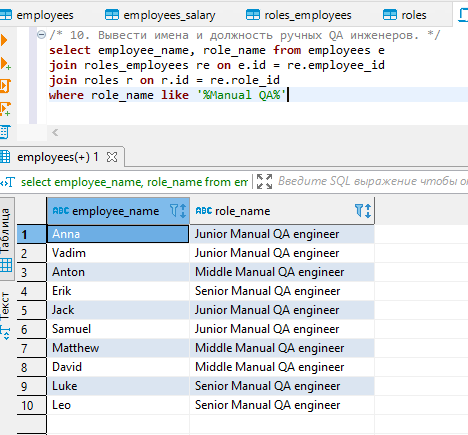
**10. Вывести имена и должность ручных QA инженеров.**

**select** employee\_name, role\_name **from** employees e

**join** roles\_employees re **on** e.id = re.employee\_id

**join** roles r **on** r.id = re.role\_id

**where** role\_name **like** '%Manual QA%'



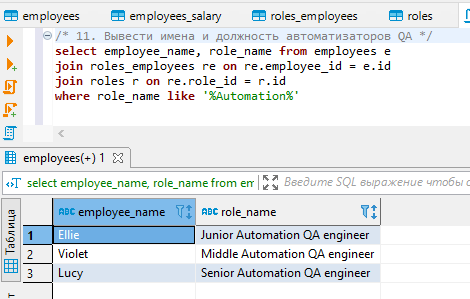
**11. Вывести имена и должность автоматизаторов QA**

**select** employee\_name, role\_name **from** employees e

**join** roles\_employees re **on** re.employee\_id = e.id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Automation%'



**12. Вывести имена и зарплаты Junior специалистов**

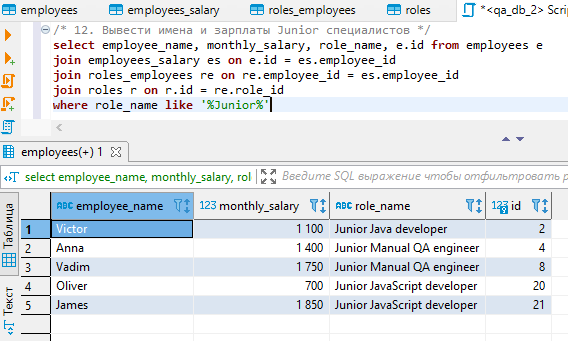
**select** employee\_name, monthly\_salary, role\_name, e.id **from** employees e

**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** re.employee\_id = es.employee\_id

**join** roles r **on** r.id = re.role\_id

**where** role\_name **like** '%Junior%'



**13. Вывести имена и зарплаты Middle специалистов**

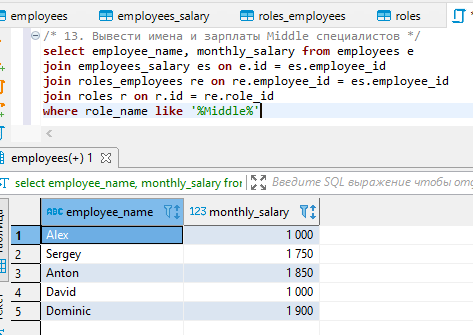
**select** employee\_name, monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** re.employee\_id = es.employee\_id

**join** roles r **on** r.id = re.role\_id

**where** role\_name **like** '%Middle%'



**14. Вывести имена и зарплаты Senior специалистов**

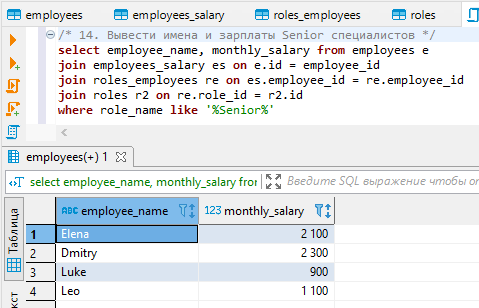
**select** employee\_name, monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id = employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r2 **on** re.role\_id = r2.id

**where** role\_name **like** '%Senior%'



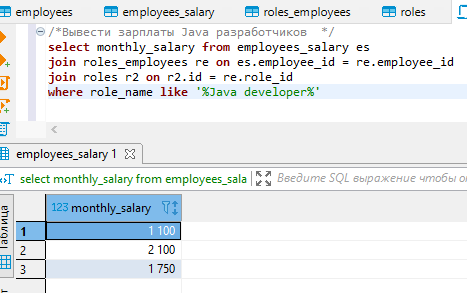
**15. Вывести зарплаты Java разработчиков**

**select** monthly\_salary **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r2 **on** r2.id = re.role\_id

**where** role\_name **like** '%Java developer%'



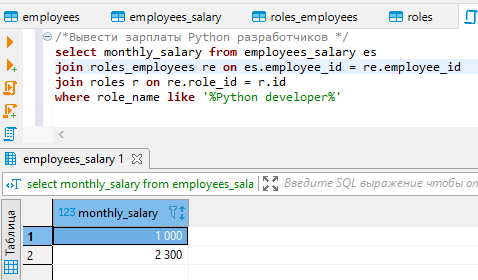
**16. Вывести зарплаты Python разработчиков**

**select** monthly\_salary **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Python developer%'



**17. Вывести имена и зарплаты Junior Python разработчиков**

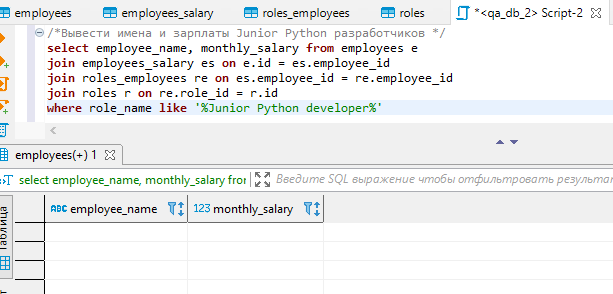
**select** employee\_name, monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Junior Python developer%'



**18. Вывести имена и зарплаты Middle JS разработчиков**

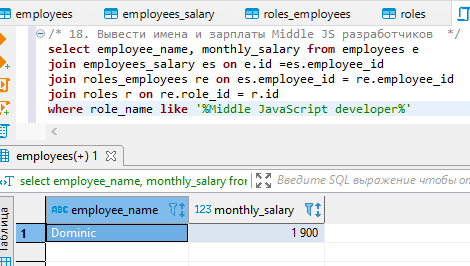
**select** employee\_name, monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id =es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Middle JavaScript developer%'



**19. Вывести имена и зарплаты Senior Java разработчиков**

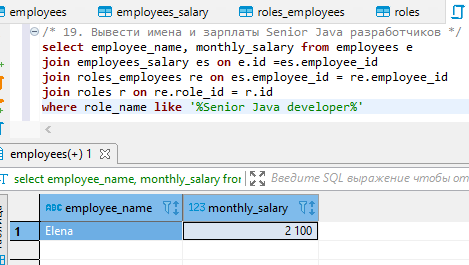
**select** employee\_name, monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id =es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Senior Java developer%'



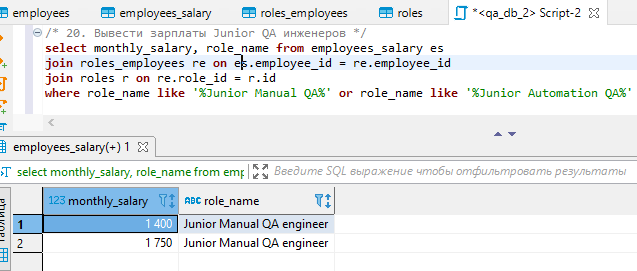
**20. Вывести зарплаты Junior QA инженеров**

**select** monthly\_salary, role\_name **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Junior Manual QA%' **or** role\_name **like** '%Junior Automation QA%'



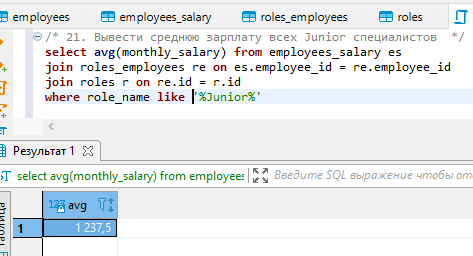
**21. Вывести среднюю зарплату всех Junior специалистов**

**select** **avg**(monthly\_salary) **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.id = r.id

**where** role\_name **like** '%Junior%'



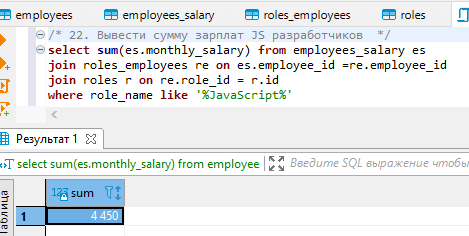
**22. Вывести сумму зарплат JS разработчиков**

**select** **sum**(es.monthly\_salary) **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id =re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%JavaScript%'



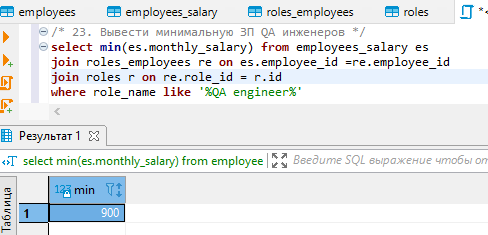
**23. Вывести минимальную ЗП QA инженеров**

**select** **min**(es.monthly\_salary) **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id =re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%QA engineer%'



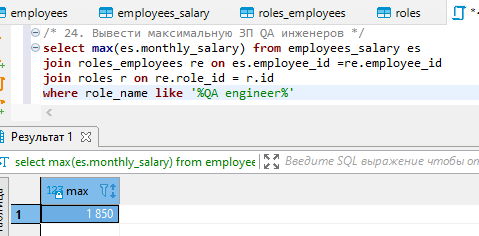
**24. Вывести максимальную ЗП QA инженеров**

**select** **max**(es.monthly\_salary) **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id =re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%QA engineer%'

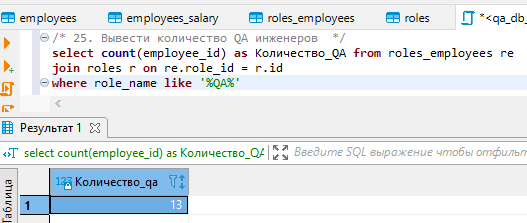


**25. Вывести количество QA инженеров**

**select** **count**(employee\_id) **as** Количество\_QA **from** roles\_employees re

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%QA%'

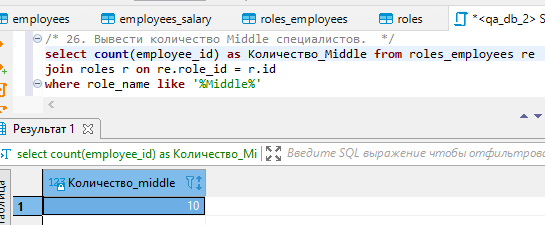


**26. Вывести количество Middle специалистов.**

**select** **count**(employee\_id) **as** Количество\_Middle **from** roles\_employees re

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%Middle%'

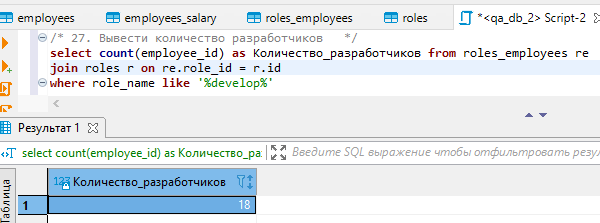


**27. Вывести количество разработчиков**

**select** **count**(employee\_id) **as** Количество\_разработчиков **from** roles\_employees re

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%develop%'



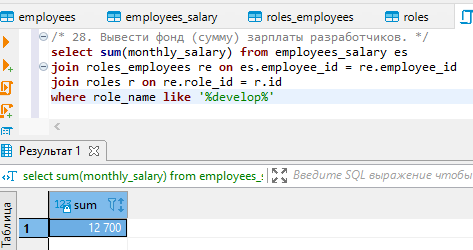
**28. Вывести фонд (сумму) зарплаты разработчиков.**

**select** **sum**(monthly\_salary) **from** employees\_salary es

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** role\_name **like** '%develop%'



**29. Вывести имена, должности и ЗП всех специалистов по возрастанию**

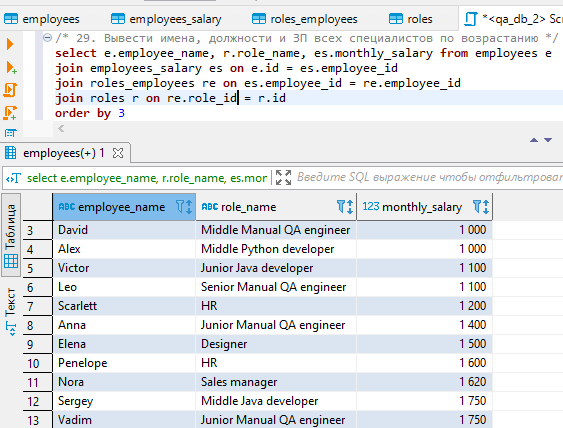
**select** e.employee\_name, r.role\_name, es.monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**order** **by** 3



**30. Вывести имена, должности и ЗП всех специалистов по возрастанию у специалистов у которых ЗП от 1700 до 2300**

**select** employee\_name, role\_name, monthly\_salary **from** employees e

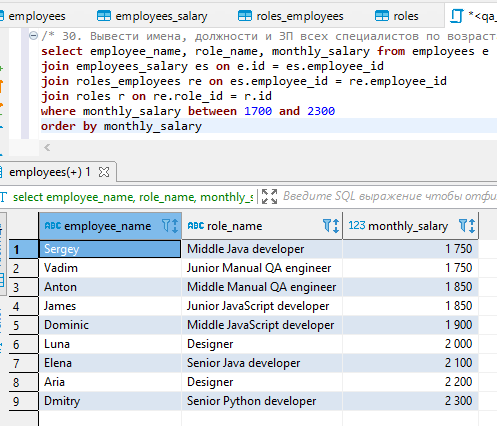
**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** monthly\_salary **between** 1700 **and** 2300

**order** **by** monthly\_salary



**31. Вывести имена, должности и ЗП всех специалистов по возрастанию у специалистов у которых ЗП меньше 2300**

**select** employee\_name, role\_name, monthly\_salary **from** employees e

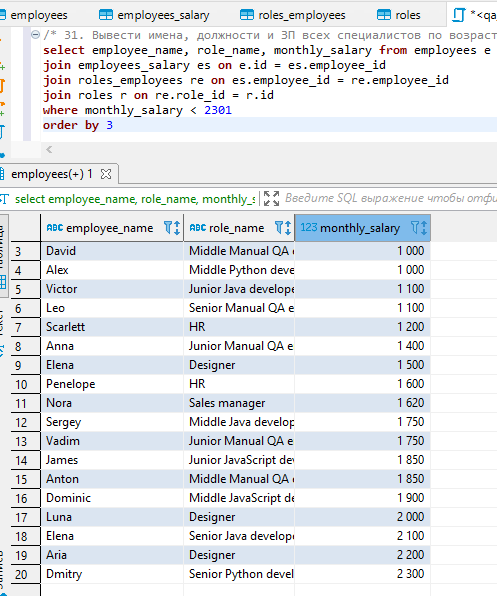
**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** monthly\_salary < 2301

**order** **by** 3



**32. Вывести имена, должности и ЗП всех специалистов по возрастанию у специалистов у которых ЗП равна 1100, 1500, 2000**

**select** employee\_name, role\_name, monthly\_salary **from** employees e

**join** employees\_salary es **on** e.id = es.employee\_id

**join** roles\_employees re **on** es.employee\_id = re.employee\_id

**join** roles r **on** re.role\_id = r.id

**where** monthly\_salary **in** (1100, 1500, 2000)

**order** **by** 3

