SQLAlchemy
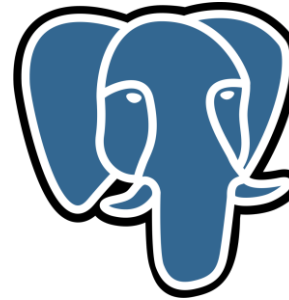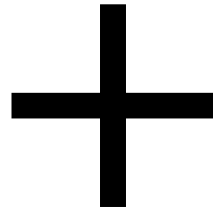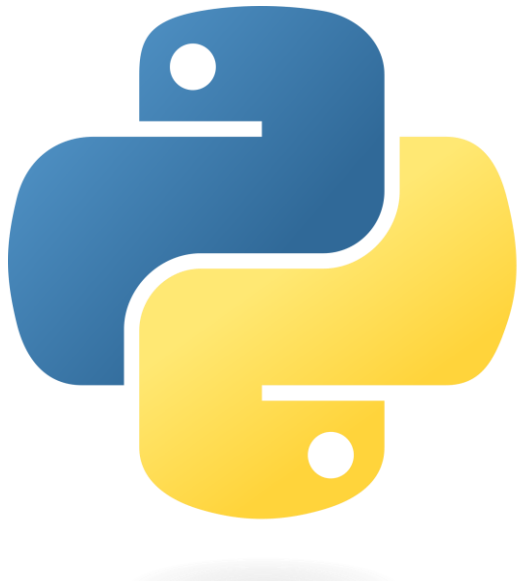
Курс Артёма Шумейко

Как было раньше
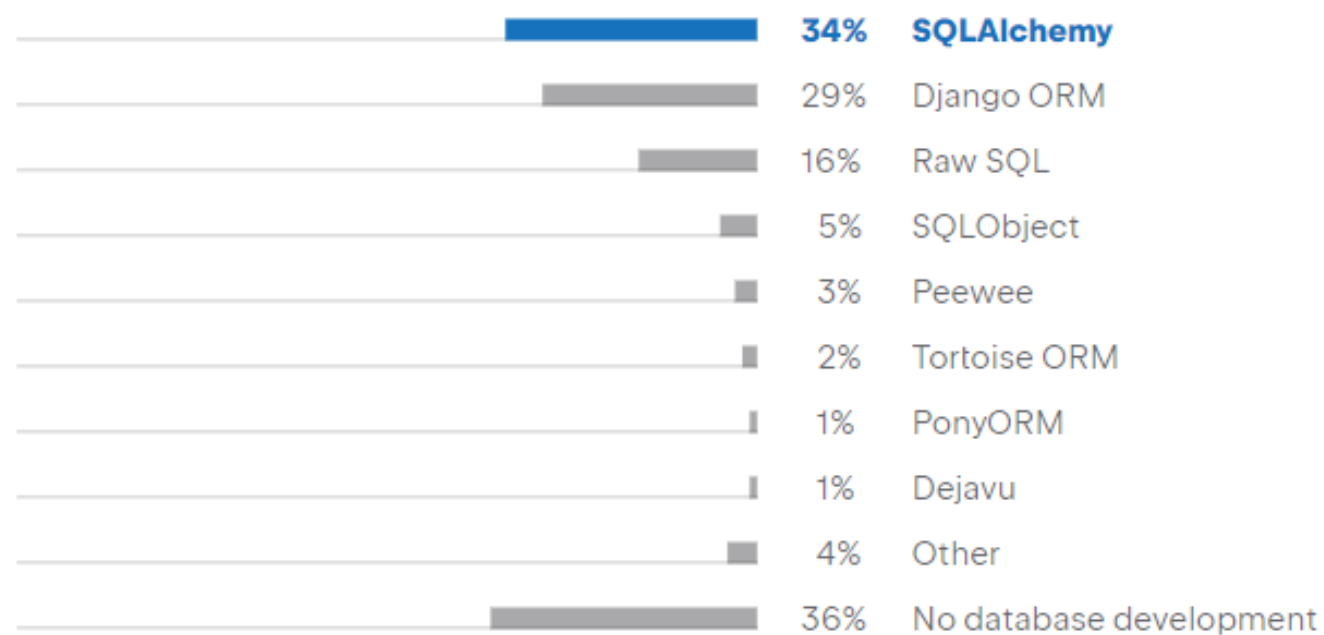
```
cur.execute("""
    INSERT INTO some_table (id, created_at,
last_name) VALUES (%s, %s, %s); """,
    (10, datetime.date(2020, 11, 18), "O'Reilly"))
```

Как будет с Алхимией

```
insert(SomeTable)
.values(
    id=10,
    created_at=datetime.date(2020,11,18),
    last_name="O'Reiily")
```

ORMs 100+

▬	**34%**	**SQLAlchemy**
▬	29%	Django ORM
▬	16%	Raw SQL
▪	5%	SQLObject
▪	3%	Peewee
▪	2%	Tortoise ORM
▪	1%	PonyORM
▪	1%	Dejavu
▪	4%	Other
▬	36%	No database development

Состояние на 2021 год[1]

Источники:
1. https://lp.jetbrains.com/python-developers-survey-2021/

Таблица Работников (workers)

id [PK] integer	first_name character varying (200)	last_name character varying (200)	phone bigint
1	Jack	Vorobey	79991231212
2	Michael	West	6124124

Таблица Резюме (resumes)

id [PK] integer	title character varying	compensation integer	workload workload	worker_id integer
1	Python Developer	[null]	fulltime	1
2	Python Разработчик	220000	fulltime	1
3	Аналитик данных	100000	parttime	2

```
SELECT * FROM workers w
JOIN resumes r ON r.worker_id=w.id
```

id integer	first_name character varying (200)	last_name character varying (200)	phone bigint	id integer	title character varying	compensation integer	workload workload	worker_id integer
1	Jack	Vorobey	79991231212	1	Python Developer	[null]	fulltime	1
1	Jack	Vorobey	79991231212	2	Python Разработчик	220000	fulltime	1
2	Michael	West	6124124	3	Аналитик данных	100000	parttime	2

```
▼ array [2]
  ▶ 0  {6}
  ▶ 1  {6}
```