



**INNER JOIN.**

**Объединение на основе  
равенства (EQUI JOIN)**



# Виды JOIN соединений



# CROS JOIN двух таблиц

skill\_product

product_id	product_name	product_category_id	price_usd
1	disk utils	1	100
2	OS	1	999
3	HDD	2	500
4	Motherboard	2	650
5	Cooler	2	5

skill\_product\_category

product_category_id	product_category_name
1	soft
2	hard

select \* from skill\_product cross join skill\_product\_category

product_id	product_name	product_category_id	price_usd	product_category_id	product_category_name
1	disk utils	1	100	1	soft
2	OS	1	999	1	soft
3	HDD	2	500	1	soft
4	Motherboard	2	650	1	soft
5	Cooler	2	5	1	soft
1	disk utils	1	100	2	hard
2	OS	1	999	2	hard
3	HDD	2	500	2	hard
4	Motherboard	2	650	2	hard
5	Cooler	2	5	2	hard

10 rows

# INNER JOIN двух таблиц

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2	OS	1	999	2	hard
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+ f(x)

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f(x) skill\_product.product\_category\_id = skill\_product\_category.product\_category\_id

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# INNER JOIN с функцией равенства

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```
select * from skill_product
inner join skill_product_category
on skill_product.product_category_id =
skill_product_category.product_category_id
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# INNER JOIN



# Практика к уроку

Таблица **city\_customers\_suppliers** — справочник городов для таблицы **skill\_customers\_suppliers**.  
Связь данных осуществляется через общее поле **city\_id**

1. Напишите SQL-запрос с INNER JOIN, объединяющий обе таблицы
2. Добавьте к запросу ещё одну таблицу-справочник — **gender**, свяжите таблицы **city\_customers\_suppliers** и **gender** по полю **gender\_id**, которое присутствует в обеих таблицах
3. Модернизируйте запрос, связывающий три таблицы, так, чтобы в результирующей выборке остались только поля **name**, **city** и **gender**