# 6_Cities With Completed Trades Solution Easy

Source - 🐵 nicksinghtech **Robinhood SQL Interview Question | DataLemur**

- given 2 tables one about orders and one about users
- both have common column - user_id so we group using this

```
SELECT * FROM trades AS t JOIN users as U ON t.user_id = u.user_id;
```

> 💡 3 things that make up a JOIN
>
> 1. columns to show - * (all columns)
> 2. name of 2 tables join - trades and users
> 3. which column we are joining on - user_id

Coming back to the question

- find the top 3 cities (order by in descending order and apply LIMIT to find only top 3) that have **highest number of completed trade orders (count the orders for each city so we will have to group by the city and count the orders (order_id))**
- find those where trade status is completed (filter this using the WHERE clause) and count the number of orders
- order by number of completed trade orders

final code

```javascript
SELECT u.city, COUNT(t.order_id) AS total_orders FROM trades AS t JOIN
users as U ON t.user_id = u.user_id WHERE t.status='Completed' GROUP BY
u.city ORDER BY total_orders DESC LIMIT 3;
```

> 💡 the `JOIN` keyword, is for an `INNER JOIN`

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