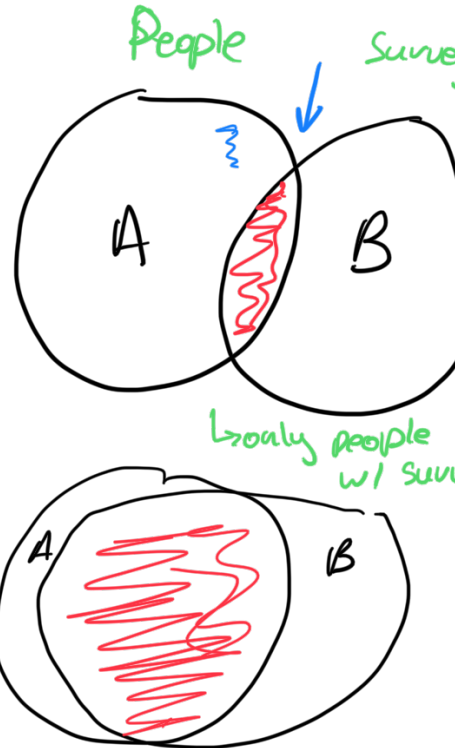


Review of Joins

```

Select foo
From bar b
inner Join baz ba
On b.key = ba.key
    
```



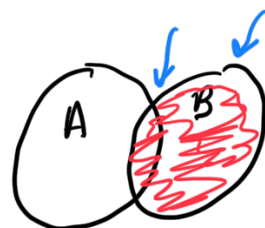
```

Select foo
from A
Left join B
on A.key = B.key
    
```



```

Select foo
from A
Right Join R
    
```



on A.key = B.key

select foo

from A

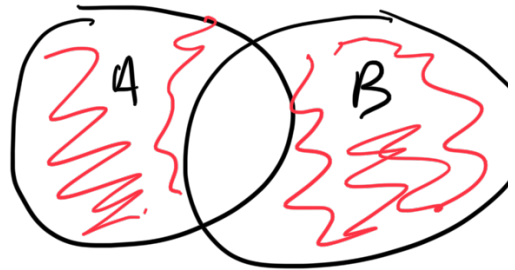
full outer join B
on A.key = B.key



select *

from A

full outer join B
on A.key = B.key
where A.key is null
or B.key is null



select *

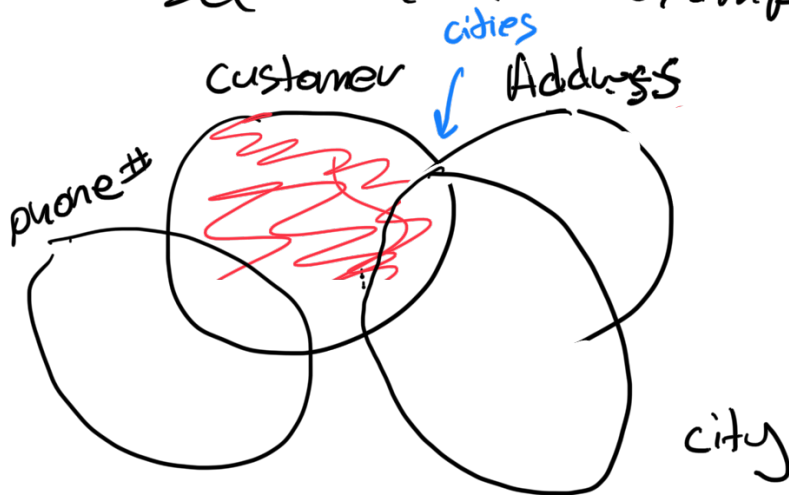
from A

left join B

on A.key = B.key
where B.key is null



See code example



ACID Test - transactions

- Atomicity - all or nothing
all statements in tx succeed
or none do
- Consistency - all rules before a transaction
apply after - a failure will be
rolled back
- isolation - all modifications happen
serially seq in order, no interruptions
- durability - once a transaction reports
committed the data is safe
even if power is lost ✖
- usually using Transaction

2. Consistency

C

A

P

Theorem

Postgres

Consistency

Availability

Partition Tolerance.

choose 2