

# **Query Comparison: Who are “Spidey’s” Aunts and Uncles**

**We’ll compare SQL and Datalog with pull**

# Spidey's Aunts & Uncles: SQL

```
SELECT a.alias, p.name, parent, grandparent, aunt_uncle, aunt_uncle_spouse
from aliases as a
    join people as p on a.personID = p.id
    join (select (select name from people as n where n.id = c1.childid) as child,
                (select name from people as n where n.id = c1.parentid) as parent,
                (select name from people as n where n.id = c2.parentid) as grandparent,
                (select name from people as n where n.id = c3.childid) as aunt_uncle,
                (select name from people as n where n.id = m.spouseid) as aunt_uncle_spouse,
                c1.childid as childid,
                c1.parentid as parentid,
                c2.parentid as grandparentid,
                c3.childid as aunt_uncleid,
                m.spouseid as aunt_uncle_spouseid
        from children as c1 -- parents
            join children as c2 on c2.childID = c1.parentID -- grandparents
            join children as c3 on c3.parentID = c2.parentID -- siblings of parents
                and c2.childID != c3.childID -- not parents
            left join marriages as m on c3.childid = m.personID -- spouses of siblings of parents
        ) as aunt_uncle on aunt_uncle.childid = p.id
where a.alias = 'Spidey';
```