

SOQL Semi-Join

Have you ever tried to retrieve parent records based on a child's condition?

Probably you did something like this:

```
List<Opportunity> opportunities = [SELECT Id, AccountId FROM Opportunity WHERE StageName = 'Closed Lost'];
Set<Id> accountIds = new Set<Id>();

for (Opportunity opp : opportunities) {
    accountIds.add(opp.AccountId);
}

List<Account> accounts = [SELECT Id, Name FROM Account WHERE Id IN :accountIds];
```

You can accomplish this more easily using a Semi-Join:



```
SELECT Id, Name
FROM Account
WHERE Id IN (
    SELECT AccountId
    FROM Opportunity
    WHERE StageName = 'Closed Lost'
)
```

Consideration:

- Semi-joins do **NOT** count against the query limit.
- Semi-joins **COUNT** against the aggregated query limit.

Reference:

- [Semi-Joins with IN and Anti-Joins with NOT IN](#)
- [What Type of Joins are Supported in SOQL?](#)