

# Subqueries: Takeaways

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## Syntax

- Writing subqueries:

```
SELECT Major, ShareWomen FROM recent_grads WHERE ShareWomen >
                                     (SELECT AVG(ShareWomen)
                                      FROM recent_grads
                                     )
```

- Returning rows that match a list of values:

```
SELECT Major, Major_category FROM recent_grads
WHERE Major_category IN ('Business', 'Engineering')
```

## Concepts

- SQL is a declarative-programming language. Designers of SQL wants its users to focus on expressing computations over variable names.
- A subquery is a query nested within another query and must always be contained within parentheses.
- A subquery can exist within the `SELECT`, `FROM` or `WHERE` clause.
- We can use `IN` to specify a list of values we want to match against.
- When writing queries that have subqueries, we'll want to write our inner queries first.
- The subquery gets executed first whenever the query gets ran.

## Resources

- [SQLite Documentaion](#)
- [Subqueries](#)



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