

FDT Worksheet Week 4

Splitting up queries

Subqueries

1. Make a simple **SELECT** statement, then wrap it in a subquery and select everything from it.
2. Make a simple **SELECT** statement, then wrap it in a subquery and select just a few columns.
3. Join the film and inventory tables together, wrap the result in a subquery, and select all the rental columns.
4. Show the first half of the products table
5. Why is this a bad solution to the previous question:

```
SELECT * FROM Products  
WHERE ProductID < (SELECT COUNT(*) FROM products)/2
```

CTEs - Common Table Expressions (WITH)

6. Set up a simple query, then put it into a CTE and select everything from it.
7. Set up a simple query, then put it into a CTE and select some columns from it.
8. In a CTE, select all the films with rating G. Then **CROSS JOIN** this CTE to itself. Note the number of rows.

Views

9. Take a complex query and save it as a view. Then select from the view.
10. Modify the previous view to run a slightly different query. Then select from the view again.
11. Delete the previous view.