

SQL: Lab 2

1. Inner Joins:

Using SAS, produce a report containing Employee_Name and calculated years of service (YOS) as of September 1st, 2018. Limit the report to employees where YOS > 30. Order the output alphabetically by Employee_Name.

- We will define YOS as:

```
int(( '1SEP2018'd - Employee_Hire_Date)/365.25) as
YOS
```

- The jupiter.employee_addresses table contains the Employee_Name column.
- The jupiter.employee_payroll table contains the Employee_Hire_Date column.
- Both jupiter.employee_addresses and jupiter.employee_payroll contain columns named Employee_ID.

Employee_Name	YOS
A	10
B	20
C	15
D	10

Figure 1. Output Example

What is the value of YOS for **Banchi, Steven**?

2. Creating a Summary Report from Two Tables:

The head of the Sales Department wants to know how many of each product was sold since the **beginning of 2010 (determined by Order_Date)**. The report should include the product ID, the product name, and the total sold for that product (determined by the sum of Quantity). **Order the report by** descending Total Sold, and ascending Product_Name.

The data that you need can be found in the following tables:

- jupiter.product_dim contains
- jupiter.order_fact contains

Product ID	Product Name	Total Sold
230100600016	Expedition Zero,Medium,Right,Charcoal	6
230100700011	Hurricane 4	6
230100600031	Outback Sleeping Bag, Large,Right, Blue/Black	6
240800200035	Shine Black PRO	6
240700100001	Armour L	5
220101400088	Casual Genuine Polo-Shirt	5
240200100118	Hi-fly Intrepid Stand 8 Black	5
240100100312	Hot Mini Backboard Bulls	5
230100500082	Lucky Tech Intergal Wp/B Rain Pants	5
220200300129	Torino Men's Leather Adventure Shoes	5
240100100737	Wyoming Men's T-Shirt with V-Neck	5

Figure 2-Partial SQL Output

What is the value of *Total Sold* for the Product Name = 'Smasher Shorts' on the report?

3. Inner Joins - SQLite:

Using SQLite Studio and the **practice database**, create a report that lists the name of the person, and the name of the movie they own. Order the report by ascending Name. For example:

Name	Movie Name
Andrew Smith	The IAA Strikes Back
Andrew Smith	The Godfather
Becky Jackson	Attack of the Clones
Becky Jackson	Return of the Jedi
Christopher Snow	The Last Data Scientist

Figure 3-Output example

What is the value of **Movie Name** in the *first* observation on the report?

4. Creating a Summary Report from Two Tables – SQLite:

Using SQLite Studio and the **practice database**, provide a report that lists the person name and the count of movies owned by person. Provide the count of movies in descending order.

How many movies does Annis Kahn own?