

Exercise A

Make a View that has columns 1) station_number, 2) days_with_precipitation (which will be an aggregation of the GROUP BY following a WHERE filter), and 3) a station_type indicating whether the station was a “Wet Station” or a “Dry Station” depending whether the station got more than 6 days of rain or not. Order the View by days_with_precipitation.

The screenshot shows a database interface with a query editor and a results viewer. The query editor contains the following SQL code:

```
1 -- Exercise A
2 SELECT station_number, day AS days_with_precipitation,
3 CASE
4     WHEN day > 6 THEN 'Wet_Station'
5     ELSE 'Dry_station'
6 END AS station_type
7 FROM station_data
8 WHERE precipitation > 0
9 GROUP BY station_number
10 ORDER BY days_with_precipitation;
11
```

The results viewer shows a table with 11 rows of data. The columns are station_number, days_with_precipitation, and station_type. All stations are labeled as 'Dry_station'.

	station_number	days_with_precipitation	station_type
1	11150	1	Dry_station
2	12410	1	Dry_station
3	13670	1	Dry_station
4	13920	1	Dry_station
5	21280	1	Dry_station
6	25260	1	Dry_station
7	29470	1	Dry_station
8	32240	1	Dry_station
9	35070	1	Dry_station
10	61100	1	Dry_station
11	61200	1	Dry_station









Exercise B

Use JOIN to create a view from the rexon_metals.db showing customer name (customer.name) and price paid (customer_order.order_qty * product.price) for each order.

Query History

```
1 -- Exercise B
2 SELECT customer.name, customer_order.ORDER_QTY *product.price AS price_paid
3 FROM customer_order
4 JOIN customer ON customer_order.customer_id = customer.customer_id
5 JOIN product ON customer_order.product_id = product.product_id;
```

Grid view Form view

     1    Total rows loaded: 5

	name	price_paid
1	LITE Industrial	3379.5
2	Re-Barre Construction	1548
3	Re-Barre Construction	1200
4	Marsh Lane Metal Works	4616.25
5	Re-Barre Construction	1290