

--- practical data from 5 march

```
select * from payment WHERE customer_id=100;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 3 | 18893      | 100         | 1        | 1340      | 3.99   | 2020-02-15 16:22:41.996 |
| 4 | 18894      | 100         | 1        | 1427      | 2.99   | 2020-02-15 22:15:54.996 |
| 5 | 18895      | 100         | 2        | 3468      | 6.99   | 2020-02-22 02:42:11.996 |
| 6 | 23620      | 100         | 1        | 11143     | 0.99   | 2020-03-02 13:31:20.996 |

Query Details  
01b2d89c-3201-0486-0000-00081372d045  
Query Duration 1s  
Rows 24  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
select first_name, last_name from customer where first_name='ERICA';
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | FIRST_NAME | LAST_NAME |
|---|------------|-----------|
| 1 | ERICA      | MATTHEWS  |

Query Details  
01b2d89d-3201-0485-0000-00081372b01d  
Query Duration 1s  
Rows 1  
End time Fri Mar 08 2024  
Scanned 19.5KB (100%)  
Role ACCOUNTADMIN

--The inventory manager asks you how rentals have not been returned yet (return\_date is null).

```
select * from rental;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠️ Displaying 10,000 of 16,044 rows

|   | RENTAL_ID | RENTAL_DATE             | INVENTORY_ID | CUSTOMER_ID | RETURN_DATE               | STAFF_ID |
|---|-----------|-------------------------|--------------|-------------|---------------------------|----------|
| 1 | 1         | 2005-05-25 03:23:30.000 | 367          | 130         | 2005-05-27 02:34:30+05: 1 | 2        |
| 2 | 2         | 2005-05-25 03:24:33.000 | 1525         | 459         | 2005-05-29 00:10:33+05: 1 | 2        |
| 3 | 3         | 2005-05-25 03:33:39.000 | 1711         | 408         | 2005-06-02 02:42:39+05: 1 | 2        |
| 4 | 4         | 2005-05-25 03:34:41.000 | 2452         | 333         | 2005-06-03 06:13:41+05: 2 | 2        |

Query Details  
01b2d89e-3201-04c9-0000-00081372c039  
Query Duration 1s  
Rows 16,044  
End time Fri Mar 08 2024  
Scanned 357.0KB (100%)  
Role ACCOUNTADMIN

```
Select * from rental where return_date IS NULL;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 1 | 26978      | 426         | 1        | 7527      | 10.99  | 2020-04-28 00:12:54.996 |
| 2 | 26983      | 426         | 2        | 10172     | 10.99  | 2020-05-01 02:28:17.996 |

Query Details  
01b2d89f-3201-0485-0000-00081372b025  
Query Duration 214ms  
Rows 2  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

-- update rental set return\_date = NULL where return\_date = 'NULL';

--The sales manager asks you how for a list of all the payment\_ids with an amount less than or equal to \$2. Include payment\_id and the amount.

```
select * from payment;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 1 | 16167      | 322         | 2        | 166       | 0.99   | 2020-01-26 06:47:37.996 |
| 2 | 16209      | 354         | 1        | 140       | 0.99   | 2020-01-26 03:32:48.996 |
| 3 | 16210      | 354         | 2        | 158       | 1.99   | 2020-01-26 05:25:37.996 |
| 4 | 16211      | 354         | 2        | 402       | 0.99   | 2020-01-27 17:15:44.996 |

Query Details  
01b2d89f-3201-04b5-0000-00081372a02d  
Query Duration 1s  
Rows 25  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
SELECT payment_id, amount FROM payment WHERE amount <= 2;
```

|   | PAYMENT_ID | AMOUNT |
|---|------------|--------|
| 1 | 16050      | 1.99   |
| 2 | 16051      | 0.99   |
| 3 | 16053      | 0.99   |
| 4 | 16056      | 1.99   |

Query Details  
01b2d8a0-3201-0485-0000-00081372b031  
Query Duration 85ms  
Rows 3,644  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
select * from payment where (amount=10.99 or amount=9.99) and customer_id=426;
```

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 1 | 26978      | 426         | 1        | 7527      | 10.99  | 2020-04-28 00:12:54.996 |
| 2 | 26983      | 426         | 2        | 10172     | 10.99  | 2020-05-01 02:28:17.996 |

Query Details  
01b2d8a0-3201-0485-0000-00081372b02d  
Query Duration 38ms  
Rows 2  
End time Fri Mar 08 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

--Q: The suppcity manager asks you about a list of all the payment of the customer 322, 346 and 354 where the amount is either less than \$2 or greater than \$10.

-- It should be ordered by the customer first (ascending) and then as second condition order by amount in a descending order.

```
select * from payment where  
(customer_id=322 or customer_id=346 or customer_id=354)  
and (amount<2 or amount>10)  
;
```

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 1 | 16167      | 322         | 2        | 166       | 0.99   | 2020-01-26 06:47:37.996 |
| 2 | 16209      | 354         | 1        | 140       | 0.99   | 2020-01-26 03:32:48.996 |
| 3 | 16210      | 354         | 2        | 158       | 1.99   | 2020-01-26 05:25:37.996 |
| 4 | 16211      | 354         | 2        | 402       | 0.99   | 2020-01-27 17:15:44.996 |

Query Details  
01b2d8a0-3201-04c9-0000-00081372c041  
Query Duration 45ms  
Rows 25  
End time Fri Mar 08 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
select *  
from payment  
where (customer_id = 322 or customer_id = 346 or customer_id = 354)  
and (amount < 2 or amount > 10)  
order by customer_id asc, amount desc;
```

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 1 | 16167      | 322         | 2        | 166       | 0.99   | 2020-01-26 06:47:37.996 |
| 2 | 16209      | 354         | 1        | 140       | 0.99   | 2020-01-26 03:32:48.996 |
| 3 | 16210      | 354         | 2        | 158       | 1.99   | 2020-01-26 05:25:37.996 |
| 4 | 16211      | 354         | 2        | 402       | 0.99   | 2020-01-27 17:15:44.996 |

Query Details  
01b2d8a1-3201-04c9-0000-00081372c049  
Query Duration 19ms  
Rows 25  
End time Fri Mar 08 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

--BETWEEN

```
select payment_id, amount from payment WHERE AMOUNT between 1.99 and 6.99;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠ Displaying 10,000 of 11,513 rows

| PAYMENT_ID | AMOUNT |
|------------|--------|
| 1          | 1.99   |
| 2          | 6.99   |
| 3          | 4.99   |
| 4          | 2.99   |

Query Details  
01b2d8a2-3201-0486-0000-00081372d059

Query Duration 188ms  
Rows 11,513  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
select payment_id, amount from payment WHERE AMOUNT>= 1.99 and amount<=6.99;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠ Displaying 10,000 of 11,513 rows

| PAYMENT_ID | AMOUNT |
|------------|--------|
| 1          | 1.99   |
| 2          | 6.99   |
| 3          | 4.99   |
| 4          | 2.99   |

Query Details  
01b2d8a2-3201-04b5-0000-00081372a041

Query Duration 197ms  
Rows 11,513  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
select payment_id, payment_date from payment
where payment_date between '2020-01-24' and '2020-01-26'
order by payment_date;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| PAYMENT_ID | PAYMENT_DATE            |
|------------|-------------------------|
| 1          | 2020-01-25 02:51:56.996 |
| 2          | 2020-01-25 02:52:59.996 |
| 3          | 2020-01-25 03:02:05.996 |
| 4          | 2020-01-25 03:03:07.996 |

Query Details  
01b2d8a2-3201-0485-0000-00081372b041

Query Duration 130ms  
Rows 122  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

---

--Q

-- There have been 6 complaints of customers about their  
-- customer\_id: 12,25,67,93,124,234

-- The concerned payments are all the payments of these customers with amounts  
4.99, 7.99 and 9.99 in January 2020.

```
select * from payment where customer_id IN (12,25,67,93,124,234)
AND AMOUNT IN (4.99,7.99,9.99)
and payment_date BETWEEN '2020-01-01' and '2020-01-31'
order by customer_id;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|------------|-------------|----------|-----------|--------|-------------------------|
| 1          | 25          | 1        | 90        | 7.99   | 2020-01-25 18:29:51.996 |
| 2          | 67          | 2        | 331       | 9.99   | 2020-01-27 06:20:52.996 |

Query Details  
01b2d8a2-3201-0485-0000-00081372b045

Query Duration 139ms  
Rows 2  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

---

--Q

-- How many payments have been made on January 26th and 27th  
-- 2020 (including entire 27th) with an amount between 1.99 and 3.99?

```
select * from payment where payment_date BETWEEN '2020-01-26' and '2020-01-27' and amount between 1.99 and 3.99;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

Query Details

01b2d8a3-3201-04b5-0000-00081372a049

Query Duration 65ms

Rows 52

End time Fri Mar 08 2024

Scanned 194.5KB (100%)

Role ACCOUNTADMIN

| PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|------------|-------------|----------|-----------|--------|-------------------------|
| 1 16056    | 270         | 1        | 193       | 1.99   | 2020-01-26 10:40:14.996 |
| 2 16065    | 274         | 1        | 147       | 2.99   | 2020-01-26 04:16:16.996 |
| 3 16095    | 290         | 1        | 160       | 2.99   | 2020-01-26 05:44:46.996 |
| 4 16162    | 319         | 1        | 149       | 3.99   | 2020-01-26 04:26:31.996 |

---- DAY 31: 8th March 2024:

----AGGREGATE

-- count(\*) No of records in the table

```
select count(distinct total_amount) from bookings limit 1000;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

Query Details

01b2d8a3-3201-04c9-0000-00081372c04d

Query Duration 371ms

Rows 1

End time Fri Mar 08 2024

Scanned 2.6MB (100%)

Role ACCOUNTADMIN

|                              |
|------------------------------|
| COUNT(DISTINCT TOTAL_AMOUNT) |
| 1 3926                       |

```
select distinct total_amount from bookings;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

Query Details

01b2d8a3-3201-04c9-0000-00081372c051

Query Duration 129ms

Rows 3,926

End time Fri Mar 08 2024

Scanned 2.6MB (100%)

Role ACCOUNTADMIN

| TOTAL_AMOUNT |
|--------------|
| 1 265700     |
| 2 37900      |
| 3 18100      |
| 4 131800     |

```
select * from bookings limit 1000;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

BOOK\_REF BOOK\_DATE TOTAL\_AMOUNT

| BOOK_REF | BOOK_DATE               | TOTAL_AMOUNT |
|----------|-------------------------|--------------|
| 1 00000F | 2017-07-05 05:42:00.000 | 265700       |
| 2 000012 | 2017-07-14 11:32:00.000 | 37900        |
| 3 000068 | 2017-08-15 16:57:00.000 | 18100        |
| 4 000181 | 2017-08-10 15:58:00.000 | 131800       |

Screenshot copied to clipboard and saved  
Select here to mark up and share.

--distinct

```
select distinct store_id,first_name from customer;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

STORE\_ID FIRST\_NAME

| STORE_ID | FIRST_NAME |
|----------|------------|
| 1 1      | MARY       |
| 2 1      | PATRICIA   |
| 3 1      | LINDA      |
| 4 2      | BARBARA    |

-- 1. Create a list of all the distinct districts customers are from.

```
select distinct district from address;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

DISTRICT

|   |            |
|---|------------|
| 1 | Alberta    |
| 2 | QLD        |
| 3 | Nagasaki   |
| 4 | California |

Query Details  
01b2d8a4-3201-04c9-0000-00081372c059  
Query Duration 244ms  
Rows 378  
End time Fri Mar 08 2024  
Scanned 25.5KB (100%)  
Role ACCOUNTADMIN

-- A marketing team member asks you about the different prices that have been paid.

-- To make it easier for them order the prices from high to low.  
**select distinct amount from payment order by amount desc;**

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

AMOUNT

|   |       |
|---|-------|
| 1 | 11.99 |
| 2 | 10.99 |
| 3 | 9.99  |
| 4 | 9.98  |

Query Details  
01b2d8a5-3201-04b5-0000-00081372a059  
Query Duration 124ms  
Rows 19  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

**select \* from payment;**

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

⚠️ Displaying 10,000 of 16,049 rows

|   | PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|---|------------|-------------|----------|-----------|--------|-------------------------|
| 1 | 16050      | 269         | 2        | 7         | 1.99   | 2020-01-25 03:10:19.996 |
| 2 | 16051      | 269         | 1        | 98        | 0.99   | 2020-01-25 20:46:50.996 |
| 3 | 16052      | 269         | 2        | 678       | 6.99   | 2020-01-29 03:14:14.996 |
| 4 | 16053      | 269         | 2        | 703       | 0.99   | 2020-01-29 06:28:02.996 |

Query Details  
01b2d8a5-3201-0486-0000-00081372d065  
Query Duration 221ms  
Rows 16,049  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

--sum

**select sum(amount) from payment;**

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

SUM(AMOUNT)

|   |          |
|---|----------|
| 1 | 67416.51 |
|---|----------|

Query Details  
01b2d8a6-3201-04c9-0000-00081372c05d  
Query Duration 154ms  
Rows 1  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

--average

**select avg(amount) from payment;**

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

AVG(AMOUNT)

|   |            |
|---|------------|
| 1 | 4.20066733 |
|---|------------|

Query Details  
01b2d8a6-3201-04c9-0000-00081372c061  
Query Duration 47ms  
Rows 1  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

--maximum

**select max(amount) from payment;**

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
--maximum
select max(amount) from payment;
```

MAX(AMOUNT)

|         |
|---------|
| 1 11.99 |
|---------|

Query Details  
01b2d8a7-3201-0486-0000-00081372d071  
Rows 1  
End time Fri Mar 08 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
--minimum
select min(amount) from payment;
```

MIN(AMOUNT)

|     |
|-----|
| 1 0 |
|-----|

Query Details  
01b2d8a7-3201-04c9-0000-00081372c069  
Rows 1  
End time Fri Mar 08 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
select min(amount),max(amount),avg(amount),count(amount) from payment;
```

| MIN(AMOUNT) | MAX(AMOUNT) | AVG(AMOUNT) | COUNT(AMOUNT) |
|-------------|-------------|-------------|---------------|
| 1 0         | 11.99       | 4.20066733  | 16049         |

Query Details  
01b2d8a7-3201-0486-0000-00081372d075  
Rows 1  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

-- Your manager wants to which of the two employees (staff\_id) is responsible for more payments?

-- Which of the two is responsible for a higher overall payment amount?

-- How do these amounts change if we don't consider amounts

-- equal to 0?

`select count(*) from payment where staff_id=2 and amount!='0.00';--7992 -7983`

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
COUNT(*)
```

|        |
|--------|
| 1 7983 |
|--------|

Query Details  
01b2d8a8-3201-0486-0000-00081372d079  
Rows 1  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

`select count(*) from payment where staff_id=1 and amount!='0.00';--8057 -8042`

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
COUNT(*)
```

|        |
|--------|
| 1 8042 |
|--------|

Query Details  
01b2d8a8-3201-0486-0000-00081372d07d  
Rows 1  
End time Fri Mar 08 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

`select sum(amount) from payment where staff_id=2;--33927.04`

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
SUM(AMOUNT)
1 33927.04
```

**Query Details**

01b2d8a8-3201-0485-0000-00081372b075  
123ms  
1  
Fri Mar 08 2024  
194.5KB (100%)  
ACCOUNTADMIN

```
select sum(amount) from payment where staff_id=1;--33489.47
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

```
SUM(AMOUNT)
1 33489.47
```

**Query Details**

01b2d8a8-3201-0485-0000-00081372b07d  
175ms  
1  
Fri Mar 08 2024  
194.5KB (100%)  
ACCOUNTADMIN

```
select staff_id, count(*), sum(amount) from payment where amount!= '0.00'
group by staff_id;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| STAFF_ID | COUNT(*) | SUM(AMOUNT) |
|----------|----------|-------------|
| 1        | 7983     | 33927.04    |
| 2        | 8042     | 33489.47    |

**Query Details**

01b2d8a9-3201-04c9-0000-00081372c079  
146ms  
2  
Fri Mar 08 2024  
194.5KB (100%)  
ACCOUNTADMIN

-- Which employee had the highest sales amount in a single day?  
-- Which employee had the most sales in a single day (not  
-- counting payments with amount = 0?)

```
select * from payment;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠️ Displaying 10,000 of 16,049 rows

| PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|------------|-------------|----------|-----------|--------|-------------------------|
| 1          | 269         | 2        | 7         | 1.99   | 2020-01-25 03:10:19.996 |
| 2          | 269         | 1        | 98        | 0.99   | 2020-01-25 20:46:50.996 |
| 3          | 269         | 2        | 678       | 6.99   | 2020-01-29 03:14:14.996 |
| 4          | 269         | 2        | 703       | 0.99   | 2020-01-29 06:28:02.996 |

**Query Details**

01b2d8a9-3201-0486-0000-00081372d089  
24ms  
16,049  
Fri Mar 08 2024  
0 (0%)  
ACCOUNTADMIN

```
select staff_id,date(payment_date), count(*) from payment
where amount!= '0.00'
group by staff_id,date(payment_date)
having count(*)>300
order by count(*) desc;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| STAFF_ID | DATE(PAYMENT_DATE) | COUNT(*) |
|----------|--------------------|----------|
| 1        | 2020-04-30         | 603      |
| 2        | 2020-04-30         | 589      |
| 3        | 2020-03-23         | 344      |
| 4        | 2020-03-02         | 342      |

**Query Details**

01b2d8a9-3201-0486-0000-00081372d091  
135ms  
19  
Fri Mar 08 2024  
194.5KB (100%)  
ACCOUNTADMIN

```
-- 09/03/2024 Practical
/*
In 2020, April 28, 29 and 30 were days with very high revenue
That's why we want to focus in this task only on these days (filter
accordingly).
Find out what is the average payment amount grouped by customer and day –
consider only the days/customers with more than 1 payment (per customer and
day).
Order by the average amount in a descending order.*/

```

```
select customer_id,date(payment_date) as pay_dt ,avg(amount) as average,
count(*) from payment where payment_date between '2020-04-28' and '2020-05-01'
group by customer_id,pay_dt
having count(*)>1
order by average desc;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| CUSTOMER_ID | PAY_DT     | AVERAGE | COUNT(*) |
|-------------|------------|---------|----------|
| 1 459       | 2020-04-29 | 10.49   | 2        |
| 2 443       | 2020-04-28 | 9.49    | 2        |
| 3 510       | 2020-04-28 | 9.49    | 2        |
| 4 11        | 2020-04-30 | 8.49    | 2        |

Query Details  
01b2dff7-3201-04f2-0000-00081372e00d  
Query Duration 1s  
Rows 695  
End time Sat Mar 09 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
select date(payment_date) from payment where payment_date like '2020-04-30%';
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| DATE(PAYMENT_DATE) |
|--------------------|
| 1 2020-04-30       |
| 2 2020-04-30       |
| 3 2020-04-30       |
| 4 2020-04-30       |

Query Details  
01b2dff8-3201-0485-0000-00081372b089  
Query Duration 1s  
Rows 1,192  
End time Sat Mar 09 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

-- Which employee had the highest sales amount in a single day?

-- Which employee had the most sales in a single day (not

-- counting payments with amount = 0?

```
select staff_id,sum(amount),date(payment_date) as pay_dt,count(*) as
no_of_transactions from payment where amount != '0.00'
group by staff_id,pay_dt
order by sum(amount) desc;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| STAFF_ID | SUM(AMOUNT) | PAY_DT     | NO_OF_TRANSACTIONS |
|----------|-------------|------------|--------------------|
| 1 2      | 2646.97     | 2020-04-30 | 603                |
| 2 1      | 2575.11     | 2020-04-30 | 589                |
| 3 2      | 1508.61     | 2020-03-20 | 339                |
| 4 1      | 1488.64     | 2020-03-02 | 336                |

Query Details  
01b2dff9-3201-04f2-0000-00081372e011  
Query Duration 151ms  
Rows 82  
End time Sat Mar 09 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
select 4+1,4-1,5/3,5%3,5*3,POW(5,3);
```

The screenshot shows a query results interface with the following details:

- PROBLEMS**, **OUTPUT**, **TERMINAL**, **PORTS**, **SNOWFLAKE** (selected), **SNOWFLAKE**, **SQL CONSOLE**, **DEBUG CONSOLE**.
- Query Details**:
  - 01b2dff9-3201-04f2-0000-00081372e019
  - Query Duration: 49ms
  - Rows: 1
  - End time: Sat Mar 09 2024
  - Scanned: 0 (0%)
  - Role: ACCOUNTADMIN

| 4+1 | 4-1 | 5/3      | 5%3 | 5*3 | POW(5,3) |
|-----|-----|----------|-----|-----|----------|
| 5   | 3   | 1.666667 | 2   | 15  | 125      |

```
select * from payment;
```

The screenshot shows a query results interface with the following details:

- PROBLEMS**, **OUTPUT**, **TERMINAL**, **PORTS**, **SNOWFLAKE** (selected), **SNOWFLAKE**, **SQL CONSOLE**, **DEBUG CONSOLE**.
- Query Details**:
  - 01b2dff9-3201-04f2-0000-00081372e021
  - Query Duration: 269ms
  - Rows: 16,049
  - End time: Sat Mar 09 2024
  - Scanned: 194.5KB (100%)
  - Role: ACCOUNTADMIN

Displaying 10,000 of 16,049 rows

| PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|------------|-------------|----------|-----------|--------|-------------------------|
| 1          | 16050       | 269      | 2         | 1.99   | 2020-01-25 03:10:19.996 |
| 2          | 16051       | 269      | 1         | 0.99   | 2020-01-25 20:46:50.996 |
| 3          | 16052       | 269      | 2         | 6.99   | 2020-01-29 03:14:14.996 |
| 4          | 16053       | 269      | 2         | 0.99   | 2020-01-29 06:28:02.996 |

```
select abs(-5),abs(5),ROUND(5.446346,2),CEIL(5.446346),FLOOR(5.446346);
```

The screenshot shows a query results interface with the following details:

- PROBLEMS**, **OUTPUT**, **TERMINAL**, **PORTS**, **SNOWFLAKE** (selected), **SNOWFLAKE**, **SQL CONSOLE**, **DEBUG CONSOLE**.
- Query Details**:
  - 01b2dff9-3201-0485-0000-00081372b091
  - Query Duration: 48ms
  - Rows: 1
  - End time: Sat Mar 09 2024
  - Scanned: 0 (0%)
  - Role: ACCOUNTADMIN

| ABS(-5) | ABS(5) | ROUND(5.446346,2) | CEIL(5.446346) | FLOOR(5.446346) |
|---------|--------|-------------------|----------------|-----------------|
| 5       | 5      | 5.45              | 6              | 5               |

```
select amount,
CASE
    WHEN amount > 10 THEN 'VERY HIGH'
    WHEN amount > 8 THEN 'HIGH'
    WHEN amount <=8 AND amount>5 THEN 'MEDIUM'
    ELSE 'SMALL'
END AS CATEGORY
from payment;
```

The screenshot shows a query results interface with the following details:

- PROBLEMS**, **OUTPUT**, **TERMINAL**, **PORTS**, **SNOWFLAKE** (selected), **SNOWFLAKE**, **SQL CONSOLE**, **DEBUG CONSOLE**.
- Query Details**:
  - 01b2dff9-3201-051b-0000-00081372f015
  - Query Duration: 1s
  - Rows: 16,049
  - End time: Sat Mar 09 2024
  - Scanned: 194.5KB (100%)
  - Role: ACCOUNTADMIN

Displaying 10,000 of 16,049 rows

| AMOUNT | CATEGORY |
|--------|----------|
| 1.99   | SMALL    |
| 0.99   | SMALL    |
| 6.99   | MEDIUM   |
| 0.99   | SMALL    |

-- day 8 case

```
SELECT amount,
CASE
WHEN amount < 2 THEN 'low amount'
WHEN amount < 5 THEN 'mediumamount'
ELSE 'high amount'
```

```

END
FROM payment;

```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠️ Displaying 10,000 of 16,049 rows

|   | AMOUNT | CASE WHEN AMOUNT < 2 THEN 'LOW AMOUNT' WHEN AMOUNT < 5 THEN 'MEDIUMAMOUNT' ELSE 'HIGH AMOUNT' |
|---|--------|---|
| 1 | 1.99   | low amount  |
| 2 | 0.99   | low amount  |
| 3 | 6.99   | high amount   |
| 4 | 0.99   | low amount  |

Query Details

|                                      |                 |
|--------------------------------------|-----------------|
| 01b2e011-3201-051b-0000-00081372f03d | 65ms            |
| Rows                                 | 16,049          |
| End time                             | Sat Mar 09 2024 |
| Scanned                              | 0 (0%)          |
| Role                                 | ACCOUNTADMIN    |

```

SELECT
TO_CHAR(book_date, 'Dy'),
TO_CHAR(book_date, 'Mon'),
CASE
WHEN TO_CHAR(book_date,
'Dy')='Mon' THEN 'Monday special'
WHEN TO_CHAR(book_date,
'Mon')='Jul' THEN 'July special'
END
FROM bookings;

```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠️ Displaying 10,000 of 262,788 rows

|   | TO_CHAR(BOOK_DATE,'DY') | TO_CHAR(BOOK_DATE,'MON') | CASE WHEN TO_CHAR(BOOK_DATE, 'DY')='MON' THEN 'MONDAY SPECIAL' |
|---|-------------------------|--------------------------|--|
| 1 | Wed                     | Jul                      | July special   |
| 2 | Fri                     | Jul                      | July special   |
| 3 | Tue                     | Aug                      | null   |
| 4 | Thu                     | Aug                      | null   |

Query Details

|                                      |                 |
|--------------------------------------|-----------------|
| 01b2e43b-3201-051b-0000-00081372f045 | 64ms            |
| Rows                                 | 262,788         |
| End time                             | Sun Mar 10 2024 |
| Scanned                              | 0 (0%)          |
| Role                                 | ACCOUNTADMIN    |

```

SELECT
TO_CHAR(book_date, 'Dy'),
TO_CHAR(book_date, 'Mon'),
CASE
WHEN TO_CHAR(book_date,
'Dy')='Mon' THEN 'Monday special'
WHEN TO_CHAR(book_date,
'Mon')='Jul' THEN 'July special'
ELSE 'no special'
END
FROM bookings;

```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠️ Displaying 10,000 of 262,788 rows

|   | TO_CHAR(BOOK_DATE,'DY') | TO_CHAR(BOOK_DATE,'MON') | CASE WHEN TO_CHAR(BOOK_DATE, 'DY')='MON' THEN 'MONDAY SPECIAL' |
|---|-------------------------|--------------------------|--|
| 1 | Wed                     | Jul                      | July special   |
| 2 | Fri                     | Jul                      | July special   |
| 3 | Tue                     | Aug                      | no special   |
| 4 | Thu                     | Aug                      | no special   |

Query Details

|                                      |                 |
|--------------------------------------|-----------------|
| 01b2e43d-3201-04f2-0000-00081372e065 | 2s              |
| Rows                                 | 262,788         |
| End time                             | Sun Mar 10 2024 |
| Scanned                              | 2.6MB (100%)    |
| Role                                 | ACCOUNTADMIN    |

```

SELECT
total_amount,
TO_CHAR(book_date, 'Dy'),
CASE
WHEN TO_CHAR(book_date,
'Dy')='Mon' THEN 'Monday special'
WHEN total_amount < 30000 THEN 'Special deal'
ELSE 'no special at all'
END
FROM bookings;

```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠ Displaying 10,000 of 262,788 rows

|   | TOTAL_AMOUNT | TO_CHAR(BOOK_DATE,'DY') | CASE WHEN TO_CHAR(BOOK_DATE, 'DY')='MON' THEN 'MONDAY SPECIAL' |
|---|--------------|-------------------------|--|
| 1 | 265700       | Wed                     | no special at all  |
| 2 | 37900        | Fri                     | no special at all  |
| 3 | 18100        | Tue                     | Special deal   |
| 4 | 131800       | Thu                     | no special at all  |

Query Details  
01b2e43f-3201-051b-0000-00081372f051

Query Duration  
Rows 262,788  
End time Sun Mar 10 2024  
Scanned 2.6MB (100%)  
Role ACCOUNTADMIN

```

SELECT
total_amount,
TO_CHAR(book_date, 'Dy'),
CASE
WHEN TO_CHAR(book_date,
'Dy')='Mon' THEN 'Monday special'
WHEN total_amount*1.4 < 30000 THEN 'Special deal' ELSE
'no special at all'
END
FROM bookings;

```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

⚠ Displaying 10,000 of 262,788 rows

|   | TOTAL_AMOUNT | TO_CHAR(BOOK_DATE,'DY') | CASE WHEN TO_CHAR(BOOK_DATE, 'DY')='MON' THEN 'MONDAY SPECIAL' |
|---|--------------|-------------------------|--|
| 1 | 265700       | Wed                     | no special at all  |
| 2 | 37900        | Fri                     | no special at all  |
| 3 | 18100        | Tue                     | Special deal   |
| 4 | 131800       | Thu                     | no special at all  |

Query Details  
01b2e441-3201-0546-0008-137200010012

Query Duration  
Rows 262,788  
End time Sun Mar 10 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

---

/\* Challenge

You need to find out how many tickets you have sold in the following categories:

- Low price ticket: total\_amount < 20,000
- Mid price ticket: total\_amount between 20,000 and 150,000
- High price ticket: total\_amount >= 150,000

How many high price tickets has the company sold?

\*/

```

select * from bookings;

SELECT
  CASE
    WHEN total_amount < 20000 THEN 'Low price ticket'
    WHEN total_amount >= 20000 AND total_amount < 150000 THEN 'Mid price
ticket'
    WHEN total_amount >= 150000 THEN 'High price ticket'
  END AS ticket_category,
  COUNT(*) AS ticket_count
FROM bookings
GROUP BY ticket_category;

```

The screenshot shows a SQL query results interface. At the top, there are tabs: PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE (which is selected), SQL CONSOLE, and DEBUG CONSOLE. Below the tabs is a table with two columns: TICKET\_CATEGORY and TICKET\_COUNT. The data rows are:

| TICKET_CATEGORY     | TICKET_COUNT |
|---------------------|--------------|
| 1 High price ticket | 30012        |
| 2 Mid price ticket  | 205036       |
| 3 Low price ticket  | 27740        |

To the right of the table is a "Query Details" panel with the following information:

- Query ID: 01b2e443-3201-0546-0008-137200010016
- Query Duration: 53ms
- Rows: 3
- End time: Sun Mar 10 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

---

```

/* Challenge
You need to find out how many flights have departed in the
following seasons:
• Winter:December, January, February
• Spring:March, April, May
• Summer:June, July, August
• Fall:September, October, November
*/

```

```

SELECT
  CASE
    WHEN EXTRACT(MONTH FROM departure_date) IN (12, 1, 2) THEN 'Winter'
    WHEN EXTRACT(MONTH FROM departure_date) IN (3, 4, 5) THEN 'Spring'
    WHEN EXTRACT(MONTH FROM departure_date) IN (6, 7, 8) THEN 'Summer'
    WHEN EXTRACT(MONTH FROM departure_date) IN (9, 10, 11) THEN 'Fall'
  END AS season,
  COUNT(*) AS flights_count
FROM flights
GROUP BY season;

```

The screenshot shows a SQL query results interface. At the top, there are tabs: PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE (which is selected), SQL CONSOLE, and DEBUG CONSOLE. Below the tabs is a table with two columns: SEASON and FLIGHTS\_COUNT. The data rows are:

| SEASON   | FLIGHTS_COUNT |
|----------|---------------|
| 1 Summer | 25525         |
| 2 Fall   | 7596          |

To the right of the table is a "Query Details" panel with the following information:

- # FLIGHTS\_COUNT: 25525

```
/*
You want to create a tierlist in the following way:
1. Rating is 'PG' or 'PG-13' or length is more than 210 min:
'Great rating or long (tier1)
2. Description contains 'Drama' and length is more than 90min:
'Long drama (tier2)'
3. Description contains 'Drama' and length is not more than 90min:
'Short drama (tier 3)'
4. Rental_rate less than $1:
'Very cheap (tier4)'
If one movie can be in multiple categories it gets the hightier assigned.
How can you filter to only those movies that appear in one of these 4 tiers?
*/
```

```
SELECT
    title,
    CASE
        WHEN rating IN ('PG', 'PG-13') OR length > 210 THEN 'Great rating or long
(tier 1)'
        WHEN description LIKE '%Drama%' AND length > 90 THEN 'Long drama (tier 2)'
        WHEN description LIKE '%Drama%' AND length <= 90 THEN 'Short drama (tier
3)'
        WHEN rental_rate < 1 THEN 'Very cheap (tier 4)'
        ELSE 'Not in any tier'
    END AS tier
FROM movies
WHERE
    rating IN ('PG', 'PG-13') OR length > 210 OR
    (description LIKE '%Drama%' AND length > 90) OR
    (description LIKE '%Drama%' AND length <= 90) OR
    rental_rate < 1;
```

The screenshot shows a SQL query results interface. At the top, there are tabs for PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE (which is selected), SQL CONSOLE, and DEBUG CONSOLE. Below the tabs is a toolbar with icons for copy, paste, refresh, and others. The main area displays a table with two columns: TITLE and TIER. The table data is as follows:

| TITLE            | TIER                          |
|------------------|-------------------------------|
| ACADEMY DINOSAUR | Great rating or long (tier 1) |
| AGENT TRUMAN     | Great rating or long (tier 1) |
| AIRPLANE SIERRA  | Great rating or long (tier 1) |
| ALABAMA DEVIL    | Great rating or long (tier 1) |

On the right side, there is a "Query Details" panel with the following information:

- Query ID: 01b2e44c-3201-04f2-0000-00081372e0a1
- Query Duration: 216ms
- Rows: 665
- End time: Sun Mar 10 2024
- Scanned: 99.5KB (100%)
- Role: ACCOUNTADMIN

/\* You need to find out how many flights have departed in the following seasons:

Winter: Dec, Jan, Feb

Spring: Mar, Apr, May

Summer: June, July, Aug

Fall: Sep , Oct, Nov\*/

```
select SEASON, COUNT(FLIGHT_NO) FROM (
select MONTHNAME(SCHEUEDLED_DEPARTURE) AS month_departed,
CASE WHEN month_departed IN ('Dec','Jan','Feb') THEN 'Winter'
      WHEN month_departed IN ('Mar','Apr','May') THEN 'Spring'
      WHEN month_departed IN ('Jun','Jul','Aug') THEN 'Summer'
      WHEN month_departed IN ('Sep','Oct','Nov') THEN 'Fall'
      ELSE 'INVALID SEASON'
END AS SEASON,*  
from flights)
```

GROUP BY SEASON;

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE (selected), SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The main area displays a table with two rows:

| SEASON | COUNT(FLIGHT_NO) |
|--------|------------------|
| Summer | 25525            |
| Fall   | 7596             |

On the right side, there is a "Query Details" panel with the following information:

- Query ID: 01b2ea11-3201-051b-0000-00081372f0c1
- Query Duration: 1s
- Rows: 2
- End time: Mon Mar 11 2024
- Scanned: 691.0KB (100%)
- Role: ACCOUNTADMIN

--COALESCE

```
select COALESCE(NULL,'COLUMN IS EMPTY');
```

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE (selected), SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The main area displays a table with one row:

| COALESCE(NULL,'COLUMN IS EMPTY') |
|----------------------------------|
| COLUMN IS EMPTY                  |

On the right side, there is a "Query Details" panel with the following information:

- Query ID: 01b2ea12-3201-051b-0000-00081372f0c9
- Query Duration: 41ms
- Rows: 1
- End time: Mon Mar 11 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

```
SELECT TO_VARCHAR(363*430) , '4323', TO_NUMBER('4323');
```

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE (selected), SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The main area displays a table with three columns:

| TO_VARCHAR(363*430) | '4323' | TO_NUMBER('4323') |
|---------------------|--------|-------------------|
| 156090              | 4323   | 4323              |

On the right side, there is a "Query Details" panel with the following information:

- Query ID: 01b2ea12-3201-051b-0000-00081372f0d1
- Query Duration: 23ms
- Rows: 1
- End time: Mon Mar 11 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

-- REPLACE

```
select REPLACE(flight_no,'PG','") from flights;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

**⚠ Displaying 10,000 of 33,121 rows**

|   | REPLACE(FLIGHT_NO,'PG','') |
|---|----------------------------|
| 1 | 0405                       |
| 2 | 0404                       |
| 3 | 0405                       |
| 4 | 0402                       |

**Query Details**

```
01b2ea13-3201-051b-0000-00081372f0d5
```

**Query Duration** 144ms  
**Rows** 33,121  
**End time** Mon Mar 11 2024  
**Scanned** 691.0KB (100%)  
**Role** ACCOUNTADMIN

```
select REPLACE('PGalkjdPG3453','PG','');
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | REPLACE('PGALKJD <sup>PG3453</sup> ','PG','') |
|---|---|
| 1 | alkjd3453                                     |

**Query Details**

```
01b2ea13-3201-0546-0008-137200010036
```

**Query Duration** 1s  
**Rows** 1  
**End time** Mon Mar 11 2024  
**Scanned** 0 (0%)  
**Role** ACCOUNTADMIN

```
/*
```

The airline company wants to understand in which category they sell most tickets.

How many people choose seats in the category

Business

Economy or

Comfort?

You need to work on the seats table and the boarding\_passes table.\*/

```
select * from seats limit 10;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | AIRCRAFT_CODE | SEAT_NO | FARE_CONDITIONS |
|---|---------------|---------|-----------------|
| 1 | 319           | 10A     | Economy         |
| 2 | 319           | 10B     | Economy         |
| 3 | 319           | 10C     | Economy         |
| 4 | 319           | 10D     | Economy         |

**Query Details**

```
01b2ea14-3201-0546-0008-137200010042
```

**Query Duration** 36ms  
**Rows** 10  
**End time** Mon Mar 11 2024  
**Scanned** 0 (0%)  
**Role** ACCOUNTADMIN

```
select * from boarding_passes limit 10;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | TICKET_NO     | FLIGHT_ID | BOARDING_NO | SEAT_NO |
|---|---------------|-----------|-------------|---------|
| 1 | 0005432000987 | 28935     | 10          | 7A      |
| 2 | 0005432000988 | 28935     | 14          | 10E     |
| 3 | 0005432000989 | 28939     | 27          | 18E     |
| 4 | 0005432000990 | 28939     | 2           | 3F      |

**Query Details**

```
01b2ea14-3201-0546-0008-137200010046
```

**Query Duration** 392ms  
**Rows** 10  
**End time** Mon Mar 11 2024  
**Scanned** 2.7MB (100%)  
**Role** ACCOUNTADMIN

```
select s.fare_conditions, count(B.TICKET_NO) from boarding_passes AS B
```

inner join seats AS S

ON B.SEAT\_NO = S.SEAT\_NO

group by s.fare\_conditions;

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The main content area displays a table with two columns: FARE\_CONDITIONS and COUNT(B.TICKET\_NO). The data shows three rows: Economy (2476771), Business (621092), and Comfort (112098). To the right of the table is a 'Query Details' panel with the following information:

- Query ID: 01b2ea14-3201-051b-0000-00081372f0e5
- Query Duration: 668ms
- Rows: 3
- End time: Mon Mar 11 2024
- Scanned: 2.7MB (100%)
- Role: ACCOUNTADMIN

| FARE_CONDITIONS | COUNT(B.TICKET_NO) |
|-----------------|--------------------|
| 1 Economy       | 2476771            |
| 2 Business      | 621092             |
| 3 Comfort       | 112098             |

Query Details

01b2ea14-3201-051b-0000-00081372f0e5

Query Duration: 668ms

Rows: 3

End time: Mon Mar 11 2024

Scanned: 2.7MB (100%)

Role: ACCOUNTADMIN

select \* from payment ;

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. A message at the top indicates 'Displaying 10,000 of 16,049 rows'. The main content area displays a table with six columns: PAYMENT\_ID, CUSTOMER\_ID, STAFF\_ID, RENTAL\_ID, AMOUNT, and PAYMENT\_DATE. The data shows four rows of payment records. To the right of the table is a 'Query Details' panel with the following information:

- Query ID: 01b2ea14-3201-051b-0000-00081372f0e9
- Query Duration: 319ms
- Rows: 16,049
- End time: Mon Mar 11 2024
- Scanned: 194.5KB (100%)
- Role: ACCOUNTADMIN

| PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|------------|-------------|----------|-----------|--------|-------------------------|
| 1 16050    | 269         | 2        | 7         | 1.99   | 2020-01-25 03:10:19.996 |
| 2 16051    | 269         | 1        | 98        | 0.99   | 2020-01-25 20:46:50.996 |
| 3 16052    | 269         | 2        | 678       | 6.99   | 2020-01-29 03:14:14.996 |
| 4 16053    | 269         | 2        | 703       | 0.99   | 2020-01-29 06:28:02.996 |

Query Details

01b2ea14-3201-051b-0000-00081372f0e9

Query Duration: 319ms

Rows: 16,049

End time: Mon Mar 11 2024

Scanned: 194.5KB (100%)

Role: ACCOUNTADMIN

select \* from customer;

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. A message at the top indicates 'Displaying 10,000 of 16,049 rows'. The main content area displays a table with seven columns: CUSTOMER\_ID, STORE\_ID, FIRST\_NAME, LAST\_NAME, EMAIL, ADDRESS\_ID, and AC. The data shows four rows of customer records. To the right of the table is a 'Query Details' panel with the following information:

- Query ID: 01b2ea15-3201-0546-0008-13720001004e
- Query Duration: 277ms
- Rows: 599
- End time: Mon Mar 11 2024
- Scanned: 19.5KB (100%)
- Role: ACCOUNTADMIN

| CUSTOMER_ID | STORE_ID | FIRST_NAME | LAST_NAME | EMAIL                 | ADDRESS_ID | AC  |
|-------------|----------|------------|-----------|-----------------------|------------|-----|
| 1 1         | 1        | MARY       | SMITH     | MARY.SMITH@sakilacust | 5          | tru |
| 2 2         | 1        | PATRICIA   | JOHNSON   | PATRICIA.JOHNSON@sai  | 6          | tru |
| 3 3         | 1        | LINDA      | WILLIAMS  | LINDA.WILLIAMS@sakila | 7          | tru |
| 4 4         | 2        | BARBARA    | JONES     | BARBARA.JONES@sakila  | 8          | tru |

Query Details

01b2ea15-3201-0546-0008-13720001004e

Query Duration: 277ms

Rows: 599

End time: Mon Mar 11 2024

Scanned: 19.5KB (100%)

Role: ACCOUNTADMIN

select P.payment\_id,p.amount,c.first\_name,c.last\_name

from payment AS P

INNER JOIN CUSTOMER C

ON P.CUSTOMER\_ID=C.CUSTOMER\_ID;

The screenshot shows a Snowflake query results page. The top navigation bar includes PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. A message at the top indicates 'Displaying 10,000 of 16,049 rows'. The main content area displays a table with four columns: PAYMENT\_ID, AMOUNT, FIRST\_NAME, and LAST\_NAME. The data shows four rows of joined payment and customer records. To the right of the table is a 'Query Details' panel with the following information:

- Query ID: 01b2ea15-3201-0546-0008-137200010052
- Query Duration: 429ms
- Rows: 16,049
- End time: Mon Mar 11 2024
- Scanned: 214.0KB (100%)
- Role: ACCOUNTADMIN

| PAYMENT_ID | AMOUNT | FIRST_NAME | LAST_NAME |
|------------|--------|------------|-----------|
| 1 16050    | 1.99   | CASSANDRA  | WALTERS   |
| 2 16051    | 0.99   | CASSANDRA  | WALTERS   |
| 3 16052    | 6.99   | CASSANDRA  | WALTERS   |
| 4 16053    | 0.99   | CASSANDRA  | WALTERS   |

Query Details

01b2ea15-3201-0546-0008-137200010052

Query Duration: 429ms

Rows: 16,049

End time: Mon Mar 11 2024

Scanned: 214.0KB (100%)

Role: ACCOUNTADMIN

```
-- Practical 12 march
```

```
--JOINS
```

```
-- The flight company is trying to find out what their most popular seats are.
```

```
-- Try to find out which seat has been chosen most frequently. Make sure all seats are included even if they have never been booked.
```

```
-- Are there seats that have never been booked?
```

```
select * from seats;
```

|   | AIRCRAFT_CODE | SEAT_NO | FARE_CONDITIONS |
|---|---------------|---------|-----------------|
| 1 | 319           | 10A     | Economy         |
| 2 | 319           | 10B     | Economy         |
| 3 | 319           | 10C     | Economy         |
| 4 | 319           | 10D     | Economy         |

```
select distinct seat_no,RIGHT(seat_no,1) as series from boarding_passes;
```

|   | SEAT_NO | SERIES |
|---|---------|--------|
| 1 | 7A      | A      |
| 2 | 10E     | E      |
| 3 | 18E     | E      |
| 4 | 1D      | D      |

```
select seat_no,count(ticket_no) as no_of_bookings from boarding_passes group by seat_no order by no_of_bookings desc;
```

|   | SEAT_NO | NO_OF_BOOKINGS |
|---|---------|----------------|
| 1 | 1A      | 5951           |
| 2 | 4A      | 5909           |
| 3 | 2A      | 5905           |
| 4 | 3A      | 5836           |

```
select RIGHT(seat_no,1) as series,count(ticket_no) as no_of_bookings from boarding_passes group by series order by no_of_bookings desc;
```

|   | SERIES | NO_OF_BOOKINGS |
|---|--------|----------------|
| 1 | A      | 109656         |
| 2 | D      | 104168         |
| 3 | C      | 96434          |
| 4 | F      | 83681          |

```
-- The company wants to run a phone call campaing on all customers in Texas (=district).
```

```
-- What are the customers (first_name, last_name, phone number and their district) from Texas?
```

```
-- Are there any (old) addresses that are not related to any customer?
```

```
select * from customer limit 10;
```

|   | CUSTOMER_ID | STORE_ID | FIRST_NAME | LAST_NAME | EMAIL                   | ADDRESS_ID | AC   |
|---|-------------|----------|------------|-----------|-------------------------|------------|------|
| 1 | 1           | 1        | MARY       | SMITH     | MARY.SMITH@sakilacust   | 5          | true |
| 2 | 2           | 1        | PATRICIA   | JOHNSON   | PATRICIA.JOHNSON@sakila | 6          | true |
| 3 | 3           | 1        | LINDA      | WILLIAMS  | LINDA.WILLIAMS@sakila   | 7          | true |
| 4 | 4           | 2        | BARBARA    | JONES     | BARBARA.JONES@sakila    | 8          | true |

**Query Details**

01b2ef45-3201-05ef-0008-137200012012

**Query Duration**

Rows

End time

Scanned

Role

1s

10

Tue Mar 12 2024

19.5KB (100%)

ACCOUNTADMIN

```
select * from address limit 10;
```

|   | ADDRESS_ID | ADDRESS              | ADDRESS2 | DISTRICT | CITY_ID | POSTAL_CODE | PH  |
|---|------------|----------------------|----------|----------|---------|-------------|-----|
| 1 | 1          | 47 MySakila Drive    | NULL     | Alberta  | 300     |             |     |
| 2 | 2          | 28 MySQL Boulevard   | NULL     | QLD      | 576     |             |     |
| 3 | 3          | 23 Workhaven Lane    | NULL     | Alberta  | 300     |             | 140 |
| 4 | 4          | 1411 Lillydale Drive | NULL     | QLD      | 576     |             | 61  |

**Query Details**

01b2ef45-3201-05ef-0008-13720001201a

**Query Duration**

Rows

End time

Scanned

Role

291ms

10

Tue Mar 12 2024

25.5KB (100%)

ACCOUNTADMIN

```
select c.first_name,c.last_name,a.phone,a.district from customer AS C
left join address AS A
ON C.address_id = A.address_id;
```

|   | FIRST_NAME | LAST_NAME | PHONE        | DISTRICT   |
|---|------------|-----------|--------------|------------|
| 1 | MARY       | SMITH     | 28303384290  | Nagasaki   |
| 2 | PATRICIA   | JOHNSON   | 838635286649 | California |
| 3 | LINDA      | WILLIAMS  | 448477190408 | Attika     |
| 4 | BARBARA    | JONES     | 705814003527 | Mandalay   |

**Query Details**

01b2ef4b-3201-05b2-0008-13720001100e

**Query Duration**

Rows

End time

Scanned

Role

466ms

599

Tue Mar 12 2024

45.0KB (100%)

ACCOUNTADMIN

-- The company wants customize their campaigns to customers depending on the country they are from.

-- Which customers are from Brazil?

-- Write a query to get first\_name, last\_name, email and the country from all customers from Brazil.

```
select * from customer limit 10;
```

|   | CUSTOMER_ID | STORE_ID | FIRST_NAME | LAST_NAME | EMAIL                   | ADDRESS_ID | AC   |
|---|-------------|----------|------------|-----------|-------------------------|------------|------|
| 1 | 1           | 1        | MARY       | SMITH     | MARY.SMITH@sakilacust   | 5          | true |
| 2 | 2           | 1        | PATRICIA   | JOHNSON   | PATRICIA.JOHNSON@sakila | 6          | true |
| 3 | 3           | 1        | LINDA      | WILLIAMS  | LINDA.WILLIAMS@sakila   | 7          | true |
| 4 | 4           | 2        | BARBARA    | JONES     | BARBARA.JONES@sakila    | 8          | true |

**Query Details**

01b2ef4c-3201-05ef-0008-13720001201e

**Query Duration**

Rows

End time

Scanned

Role

139ms

10

Tue Mar 12 2024

0 (0%)

ACCOUNTADMIN

```
select * from address ;
```

|   | ADDRESS_ID | ADDRESS              | ADDRESS2 | DISTRICT | CITY_ID | POSTAL_CODE | PH |
|---|------------|----------------------|----------|----------|---------|-------------|----|
| 1 | 1          | 47 MySakila Drive    | NULL     | Alberta  | 300     |             |    |
| 2 | 2          | 28 MySQL Boulevard   | NULL     | QLD      | 576     |             |    |
| 3 | 3          | 23 Workhaven Lane    | NULL     | Alberta  | 300     |             | 14 |
| 4 | 4          | 1411 Lillydale Drive | NULL     | QLD      | 576     |             | 61 |

**Query Details**

01b2ef4c-3201-05b2-0008-13720001101a

**Query Duration**

Rows

End time

Scanned

Role

48ms

603

Tue Mar 12 2024

25.5KB (100%)

ACCOUNTADMIN

```
select * from city limit 10;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | CITY_ID | CITY               | COUNTRY_ID | LAST_UPDATE             |
|---|---------|--------------------|------------|-------------------------|
| 1 | 1       | A Corua (La Corua) | 87         | 2020-02-15 15:15:25.000 |
| 2 | 2       | Abha               | 82         | 2020-02-15 15:15:25.000 |
| 3 | 3       | Abu Dhabi          | 101        | 2020-02-15 15:15:25.000 |
| 4 | 4       | Acua               | 60         | 2020-02-15 15:15:25.000 |

#### Query Details

01b2ef4c-3201-05b2-0008-13720001101e

x

#### Query Duration

21ms

#### Rows

10

#### End time

Tue Mar 12 2024

#### Scanned

0 (0%)

#### Role

ACCOUNTADMIN

```
select * from country limit 10;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | COUNTRY_ID | COUNTRY        | LAST_UPDATE             |
|---|------------|----------------|-------------------------|
| 1 | 1          | Afghanistan    | 2020-02-15 15:14:00.000 |
| 2 | 2          | Algeria        | 2020-02-15 15:14:00.000 |
| 3 | 3          | American Samoa | 2020-02-15 15:14:00.000 |
| 4 | 4          | Angola         | 2020-02-15 15:14:00.000 |

#### Query Details

01b2ef4d-3201-05b2-0008-137200011026

x

#### Query Duration

248ms

#### Rows

10

#### End time

Tue Mar 12 2024

#### Scanned

2.5KB (100%)

#### Role

ACCOUNTADMIN

```
select c.first_name,c.last_name,c.email,co.country
from customer AS C
inner join address A
ON C.address_id=A.address_id
inner join city AS CI
ON A.city_id = CI.city_id
INNER JOIN COUNTRY AS CO
ON CO.country_id = CI.country_id
AND CO.country = 'Brazil';
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | FIRST_NAME | LAST_NAME | EMAIL                             | COUNTRY |
|---|------------|-----------|-----------------------------------|---------|
| 1 | DEBRA      | NELSON    | DEBRA.NELSON@sakilacustomer.org   | Brazil  |
| 2 | FRANCES    | PARKER    | FRANCES.PARKER@sakilacustomer.org | Brazil  |
| 3 | DENISE     | KELLY     | DENISE.KELLY@sakilacustomer.org   | Brazil  |
| 4 | JANE       | BENNETT   | JANE.BENNETT@sakilacustomer.org   | Brazil  |

#### Query Details

01b2ef4d-3201-05ef-0008-13720001202e

x

#### Query Duration

622ms

#### Rows

28

#### End time

Tue Mar 12 2024

#### Scanned

55.5KB (100%)

#### Role

ACCOUNTADMIN

---

-- DAY 35: 13th March 2024:

-- UNION

```
select distinct first_name,last_name from actor --199
union
select distinct first_name,last_name from customer; --599
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

|   | FIRST_NAME | LAST_NAME |
|---|------------|-----------|
| 1 | PENELOPE   | GUINNESS  |
| 2 | NICK       | WAHLBERG  |
| 3 | ED         | CHASE     |
| 4 | JENNIFER   | DAVIS     |

#### Query Details

01b2f455-3201-05ef-0008-137200012046

x

#### Query Duration

1s

#### Rows

797

#### End time

Wed Mar 13 2024

#### Scanned

23.5KB (100%)

#### Role

ACCOUNTADMIN

```
select distinct first_name, last_name, first_name||last_name from actor where
first_name||last_name IN (select distinct first_name||last_name from
customer);
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

| FIRST_NAME | LAST_NAME | FIRST_NAME  LAST_NAME |
|------------|-----------|-----------------------|
| JENNIFER   | DAVIS     | JENNIFERDAVIS         |

**Query Details**

01b2f456-3201-05b2-0008-13720001400a

**Query Duration** 1s  
**Rows** 1  
**End time** Wed Mar 13 2024  
**Scanned** 23.5KB (100%)  
**Role** ACCOUNTADMIN

```
select first_name, last_name from actor
union all
select first_name, last_name from staff;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

| FIRST_NAME | LAST_NAME |
|------------|-----------|
| PENELOPE   | GUINNESS  |
| NICK       | WAHLBERG  |
| ED         | CHASE     |
| JENNIFER   | DAVIS     |

**Query Details**

01b2f45c-3201-05b2-0008-137200014022

**Query Duration** 241ms  
**Rows** 202  
**End time** Wed Mar 13 2024  
**Scanned** 8.0KB (100%)  
**Role** ACCOUNTADMIN

```
select * from information_schema.tables;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

| TABLE_CATALOG | TABLE_SCHEMA | TABLE_NAME      | TABLE_OWNER  | TABLE_TYPE | IS_TRANSIENT | CLUSTER_NAME |
|---------------|--------------|-----------------|--------------|------------|--------------|--------------|
| EXCELDATA     | PUBLIC       | AIRCRAFTS_DATA  | ACCOUNTADMIN | BASE TABLE | NO           | nul          |
| EXCELDATA     | PUBLIC       | BOARDING_PASSES | ACCOUNTADMIN | BASE TABLE | NO           | nul          |
| EXCELDATA     | PUBLIC       | BOOKINGS        | ACCOUNTADMIN | BASE TABLE | NO           | nul          |
| EXCELDATA     | PUBLIC       | LANGUAGE        | ACCOUNTADMIN | BASE TABLE | NO           | nul          |

**Query Details**

01b2f457-3201-05b1-0008-13720001500a

**Query Duration** 2s  
**Rows** 61  
**End time** Wed Mar 13 2024  
**Scanned** 1.7KB (100.9%)  
**Role** ACCOUNTADMIN

-- 14/03/2024

```
create or replace database my_db_copy clone my_db;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE X

| status                                    |
|---|
| Database MY_DB_COPY successfully created. |

**Query Details**

01b3003b-3201-05b1-0008-13720001503e

**Query Duration** 14s  
**Rows** 1

**Message** ❌ Snowflake: No active Snowflake session

```
select * from customer;
```

|   | CUSTOMER_ID | STORE_ID | FIRST_NAME | LAST_NAME | EMAIL                 | ADDRESS_ID | AC  |
|---|-------------|----------|------------|-----------|-----------------------|------------|-----|
| 1 | 1           | 1        | MARY       | SMITH     | MARY.SMITH@sakilacust | 5          | tru |
| 2 | 2           | 1        | PATRICIA   | JOHNSON   | PATRICIA.JOHNSON@sai  | 6          | tru |
| 3 | 3           | 1        | LINDA      | WILLIAMS  | LINDA.WILLIAMS@sakila | 7          | tru |
| 4 | 4           | 2        | BARBARA    | JONES     | BARBARAJONES@sakila   | 8          | tru |

#### Query Details

01b3003c-3201-06a7-0008-137200016012

#### Query Duration

1s

#### Rows

599

#### End time

Fri Mar 15 2024

#### Scanned

19.5KB (100%)

#### Role

ACCOUNTADMIN

```
--create clone of table
```

```
create or replace table customer_clone clone customer;
```

|   | status                                     |  |  |  |  |  | X |
|---|--|--|--|--|--|--|---|
| 1 | Table CUSTOMER_CLONE successfully created. |  |  |  |  |  |   |

#### Query Details

01b3003d-3201-05ef-0008-137200012092

#### Query Duration

733ms

#### Rows

1

#### End time

Fri Mar 15 2024

#### Scanned

0 (0%)

#### Role

ACCOUNTADMIN

```
select * from customer_clone;
```

|   | CUSTOMER_ID | STORE_ID | FIRST_NAME | LAST_NAME | EMAIL                 | ADDRESS_ID | AC  |
|---|-------------|----------|------------|-----------|-----------------------|------------|-----|
| 1 | 1           | 1        | MARY       | SMITH     | MARY.SMITH@sakilacust | 5          | tru |
| 2 | 2           | 1        | PATRICIA   | JOHNSON   | PATRICIA.JOHNSON@sai  | 6          | tru |
| 3 | 3           | 1        | LINDA      | WILLIAMS  | LINDA.WILLIAMS@sakila | 7          | tru |
| 4 | 4           | 2        | BARBARA    | JONES     | BARBARAJONES@sakila   | 8          | tru |

#### Query Details

01b3003d-3201-05b2-0008-137200014042

#### Query Duration

1s

#### Rows

599

#### End time

Fri Mar 15 2024

#### Scanned

19.5KB (100%)

#### Role

ACCOUNTADMIN

```
-- delete or truncate
```

```
delete from customer_clone where address_id = 601;
```

|   | number of rows deleted |  |  |  |  |  | X |
|---|------------------------|--|--|--|--|--|---|
| 1 | 1                      |  |  |  |  |  |   |

#### Query Details

01b3003f-3201-05ef-0008-13720001209a

#### Query Duration

4s

#### Rows

1

#### End time

Fri Mar 15 2024

#### Scanned

19.5KB (100%)

#### Role

ACCOUNTADMIN

```
select * from customer_clone where address_id = 601;
```

|   | number of rows deleted |  |  |  |  |  | X |
|---|------------------------|--|--|--|--|--|---|
| 1 | 0                      |  |  |  |  |  |   |

#### Query Details

01b30040-3201-06a7-0008-13720001601e

#### Query Duration

135ms

#### End time

Fri Mar 15 2024

#### Scanned

19.5KB (100%)

#### Role

ACCOUNTADMIN

#### DB/Schema

MY DB COPY.PUBLIC

```
-- delete multiple records
```

```
delete from customer_clone where address_id IN (7,8,45,14);
```

|   | number of rows deleted |  |  |  |  |  | X |
|---|------------------------|--|--|--|--|--|---|
| 1 | 4                      |  |  |  |  |  |   |

#### Query Details

01b30041-3201-06a7-0008-137200016026

#### Query Duration

276ms

#### Rows

1

#### End time

Fri Mar 15 2024

#### Scanned

19.5KB (100%)

#### Role

ACCOUNTADMIN

```
-- delete all records from table
```

```
delete from customer_clone; --deletes all records if used without where condition
```

The screenshot shows the Snowflake interface with the SQL console tab selected. A query has been run:

```
number of rows deleted
```

|   |     |
|---|-----|
| 1 | 594 |
|---|-----|

Query Details panel:

- Query ID: 01b30041-3201-05b1-0008-137200015046
- Query Duration: 1s
- Rows: 1
- End time: Fri Mar 15 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

```
TRUNCATE TABLE customer_clone; -- deletes all records
```

The screenshot shows the Snowflake interface with the SQL console tab selected. A query has been run:

```
status
```

|   |                                  |
|---|----------------------------------|
| 1 | Statement executed successfully. |
|---|----------------------------------|

Query Details panel:

- Query ID: 01b30041-3201-05b1-0008-13720001504e
- Query Duration: 158ms
- Rows: 1
- End time: Fri Mar 15 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

```
DROP TABLE customer_clone; -- Removes the table itself from database
```

The screenshot shows the Snowflake interface with the SQL console tab selected. A query has been run:

```
status
```

|   |                                      |
|---|--------------------------------------|
| 1 | CUSTOMER_CLONE successfully dropped. |
|---|--------------------------------------|

Query Details panel:

- Query ID: 01b30042-3201-06a7-0008-13720001602a
- Query Duration: 76ms
- Rows: 1
- End time: Fri Mar 15 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

```
select * from customer_clone WHERE last_name like 'A%';
```

The screenshot shows the Snowflake interface with the SQL console tab selected. A query has been run:

```
CUSTOMER_ID STORE_ID FIRST_NAME LAST_NAME EMAIL ADDRESS_ID AC
```

|   |    |   |          |           |                        |     |      |
|---|----|---|----------|-----------|------------------------|-----|------|
| 1 | 11 | 2 | LISA     | ANDERSON  | LISA.ANDERSON@sakila   | 15  | true |
| 2 | 27 | 2 | SHIRLEY  | ALLEN     | SHIRLEY.ALLEN@sakila   | 31  | true |
| 3 | 36 | 2 | KATHLEEN | ADAMS     | KATHLEEN.ADAMS@sakila  | 40  | true |
| 4 | 96 | 1 | DIANA    | ALEXANDER | DIANA.ALEXANDER@sakila | 100 | true |

Query Details panel:

- Query ID: 01b30042-3201-05ef-0008-1372000120a6
- Query Duration: 107ms
- Rows: 20
- End time: Fri Mar 15 2024
- Scanned: 19.5KB (100%)
- Role: ACCOUNTADMIN

```
UPDATE customer_clone set first_name = 'LISA' WHERE customer_id = 3;
```

The screenshot shows the Snowflake interface with the SQL console tab selected. A query has been run:

```
number of rows updated
```

|   |
|---|
| 1 |
|---|

number of multi-joined rows updated

|   |
|---|
| 0 |
|---|

Query Details panel:

- Query ID: 01b30043-3201-05ef-0008-1372000120ae
- Query Duration: 442ms
- Rows: 1
- End time: Fri Mar 15 2024
- Scanned: 19.5KB (100%)
- Role: ACCOUNTADMIN

```
UPDATE customer_clone set first_name = customer_id*store_id WHERE last_name like 'A%';
```

The screenshot shows the Snowflake interface with the SQL console tab selected. A query has been run:

```
number of rows updated
```

|    |
|----|
| 20 |
|----|

number of multi-joined rows updated

|   |
|---|
| 0 |
|---|

Query Details panel:

- Query ID: 01b30043-3201-06a7-0008-137200016032
- Query Duration: 361ms
- Rows: 1
- End time: Fri Mar 15 2024
- Scanned: 19.5KB (100%)
- Role: ACCOUNTADMIN

```
create or replace table payment_clone clone payment;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

status

1 Table PAYMENT\_CLONE successfully created.

Query Details

01b30043-3201-05b1-0008-13720001505a

Query Duration 610ms  
Rows 1  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
select * from payment_clone;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

⚠ Displaying 10,000 of 16,049 rows

| PAYMENT_ID | CUSTOMER_ID | STAFF_ID | RENTAL_ID | AMOUNT | PAYMENT_DATE            |
|------------|-------------|----------|-----------|--------|-------------------------|
| 1          | 16050       | 269      | 2         | 7      | 2020-01-25 03:10:19.996 |
| 2          | 16051       | 269      | 1         | 98     | 2020-01-25 20:46:50.996 |
| 3          | 16052       | 269      | 2         | 678    | 2020-01-29 03:14:14.996 |
| 4          | 16053       | 269      | 2         | 703    | 2020-01-29 06:28:02.996 |

Query Details

01b30044-3201-06a7-0008-137200016036

Query Duration 488ms  
Rows 16,049  
End time Fri Mar 15 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
update payment_clone set rental_id = amount + (50/100)*amount ;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

| number of rows updated | number of multi-joined rows updated |
|------------------------|-------------------------------------|
| 1 16049                | 0                                   |

Query Details

01b30044-3201-05b2-0008-137200014056

Query Duration 455ms  
Rows 1  
End time Fri Mar 15 2024  
Scanned 194.5KB (100%)  
Role ACCOUNTADMIN

```
--create table
```

```
CREATE TABLE employee
(
    emp_id NUMBER NOT NULL COMMENT 'Employee ID',
    name TEXT COMMENT 'Employees name',
    address VARCHAR
)
COMMENT='This table as employee details';
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

status

1 Table EMPLOYEE successfully created.

Query Details

01b30044-3201-05b1-0008-137200015066

Query Duration 133ms  
Rows 1  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
select * from employee;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

| name      | type              | kind   | null? | default | primary key | uniq |
|-----------|-------------------|--------|-------|---------|-------------|------|
| 1 EMP_ID  | NUMBER(38,0)      | COLUMN | N     | null    | N           | N    |
| 2 NAME    | VARCHAR(16777216) | COLUMN | Y     | null    | N           | N    |
| 3 ADDRESS | VARCHAR(16777216) | COLUMN | Y     | null    | N           | N    |

Query Details

01b30045-3201-05b1-0008-13720001506e

Query Duration 23ms  
Rows 3  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
describe table employee;
```

|   | name    | type              | kind   | null? | default | primary key | unique |
|---|---------|-------------------|--------|-------|---------|-------------|--------|
| 1 | EMP_ID  | NUMBER(38,0)      | COLUMN | N     | null    | N           | N      |
| 2 | NAME    | VARCHAR(16777216) | COLUMN | Y     | null    | N           | N      |
| 3 | ADDRESS | VARCHAR(16777216) | COLUMN | Y     | null    | N           | N      |

#### Query Details

01b30045-3201-05b1-0008-13720001506e  
23ms  
Rows 3  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
desc table employee;
```

|   | name    | type              | kind   | null? | default | primary key | unique |
|---|---------|-------------------|--------|-------|---------|-------------|--------|
| 1 | EMP_ID  | NUMBER(38,0)      | COLUMN | N     | null    | N           | N      |
| 2 | NAME    | VARCHAR(16777216) | COLUMN | Y     | null    | N           | N      |
| 3 | ADDRESS | VARCHAR(16777216) | COLUMN | Y     | null    | N           | N      |

#### Query Details

01b30045-3201-05b1-0008-13720001506e  
23ms  
Rows 3  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
select * from information_schema.tables;
```

|   | TABLE_CATALOG | TABLE_SCHEMA | TABLE_NAME     | TABLE_OWNER  | TABLE_TYPE | IS_TRANSIENT | CLUSTERED |
|---|---------------|--------------|----------------|--------------|------------|--------------|-----------|
| 1 | MY_DB_COPY    | PUBLIC       | AIRCRAFTS_DATA | ACCOUNTADMIN | BASE TABLE | NO           | NO        |
| 2 | MY_DB_COPY    | PUBLIC       | CUSTOMER       | ACCOUNTADMIN | BASE TABLE | NO           | NO        |
| 3 | MY_DB_COPY    | PUBLIC       | INVENTORY      | ACCOUNTADMIN | BASE TABLE | NO           | NO        |
| 4 | MY_DB_COPY    | PUBLIC       | PAYMENT        | ACCOUNTADMIN | BASE TABLE | NO           | NO        |

#### Query Details

01b30046-3201-05ef-0008-1372000120c2  
1s  
Rows 64  
End time Fri Mar 15 2024  
Scanned 1.4KB (100.1%)  
Role ACCOUNTADMIN

----- 15/03/2024 -----

```
create database demo;
```

```
-- DROP Database demo;
```

|   | status                              |
|---|-------------------------------------|
| 1 | Database DEMO successfully created. |

#### Query Details

01b30046-3201-05ef-0008-1372000120ca  
86ms  
Rows 1  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
Create OR REPLACE table employee
```

```
(  
id number NOT NULL PRIMARY KEY,  
name varchar(10),  
address varchar(50) DEFAULT 'No address found',  
CONSTRAINT employee_uk UNIQUE(id,name)  
);
```

|   | status                               |
|---|--------------------------------------|
| 1 | Table EMPLOYEE successfully created. |

#### Query Details

01b30046-3201-05ef-0008-1372000120d2  
166ms  
Rows 1  
End time Fri Mar 15 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
INSERT INTO employee
values
(1,'shreyash','pune'),
(2,'name1','address1')
;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

| number of rows inserted |
|-------------------------|
| 1 2                     |

#### Query Details

01b30046-3201-06a7-0008-137200016042  
**Query Duration** 304ms  
**Rows** 1  
**End time** Fri Mar 15 2024  
**Scanned** 0 (0%)  
**Role** ACCOUNTADMIN

```
INSERT INTO employee (id,name)
values
(3,'shreyash1'),
(4,'name2');
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

| number of rows inserted |
|-------------------------|
| 1 2                     |

#### Query Details

01b30047-3201-05b1-0008-13720001507a  
**Query Duration** 312ms  
**Rows** 1  
**End time** Fri Mar 15 2024  
**Scanned** 1.5KB (100%)  
**Role** ACCOUNTADMIN

```
select * from employee;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

| ID | NAME      | ADDRESS          |
|----|-----------|------------------|
| 1  | shreyash  | pune             |
| 2  | name1     | address1         |
| 3  | shreyash1 | No address found |
| 4  | name2     | No address found |

#### Query Details

01b30047-3201-05b2-0008-137200014062  
**Query Duration** 152ms  
**Rows** 4  
**End time** Fri Mar 15 2024  
**Scanned** 1.5KB (100%)  
**Role** ACCOUNTADMIN

```
desc table employee;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE SEARCH ERROR COMMENTS DEBUG CONSOLE

|   | name    | type         | kind   | null? | default            | primary key | unique |
|---|---------|--------------|--------|-------|--------------------|-------------|--------|
| 1 | ID      | NUMBER(38,0) | COLUMN | N     | null               | Y           | Y      |
| 2 | NAME    | VARCHAR(10)  | COLUMN | Y     | null               | N           | Y      |
| 3 | ADDRESS | VARCHAR(50)  | COLUMN | Y     | 'No address found' | N           | N      |

#### Query Details

01b30048-3201-05b2-0008-137200014066  
**Query Duration** 25ms  
**Rows** 3  
**End time** Fri Mar 15 2024  
**Scanned** 0 (0%)  
**Role** ACCOUNTADMIN

```
ALTER TABLE employee add CONSTRAINT employee_uk UNIQUE(id);
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

X SQL compilation error:  
Primary Key with the signature already exists on the table

#### Query Details

01b3004c-3201-05b2-0008-1372000140a2  
**Query Duration** 28ms  
**End time** Fri Mar 15 2024  
**Scanned** 0 (0%)  
**Role** ACCOUNTADMIN  
**DB/Schema** DEMO.PUBLIC

```
DROP TABLE IF EXISTS EMPLOYEE;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| status                           |
|----------------------------------|
| 1 EMPLOYEE successfully dropped. |

| Query Details                        |                 |
|--------------------------------------|-----------------|
| 01b3004c-3201-05b2-0008-1372000140aa | 67ms            |
| Rows                                 | 1               |
| End time                             | Fri Mar 15 2024 |
| Scanned                              | 0 (0%)          |
| Role                                 | ACCOUNTADMIN    |

```
ALTER TABLE employee rename COLUMN name to first_name;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| status                             |
|------------------------------------|
| 1 Statement executed successfully. |

| Query Details                        |                 |
|--------------------------------------|-----------------|
| 01b3004d-3201-05ef-0008-13720001211e | 59ms            |
| Rows                                 | 1               |
| End time                             | Fri Mar 15 2024 |
| Scanned                              | 0 (0%)          |
| Role                                 | ACCOUNTADMIN    |

```
ALTER TABLE EMPLOYEE RENAME TO employee1;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| status                             |
|------------------------------------|
| 1 Statement executed successfully. |

| Query Details                        |                 |
|--------------------------------------|-----------------|
| 01b3004d-3201-05ef-0008-137200012126 | 62ms            |
| Rows                                 | 1               |
| End time                             | Fri Mar 15 2024 |
| Scanned                              | 0 (0%)          |
| Role                                 | ACCOUNTADMIN    |

```
select * from employee1;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| ID | FIRST_NAME | ADDRESS          |
|----|------------|------------------|
| 1  | shreyash   | pune             |
| 2  | name1      | address1         |
| 3  | shreyash1  | No address found |
| 4  | name2      | No address found |

| Query Details                        |                 |
|--------------------------------------|-----------------|
| 01b3004d-3201-05b2-0008-1372000140de | 141ms           |
| Rows                                 | 4               |
| End time                             | Fri Mar 15 2024 |
| Scanned                              | 1.5KB (100%)    |
| Role                                 | ACCOUNTADMIN    |

---

-- DAY 38 16th March 2024:

```
use Demo;
```

```
create or replace table employee_distinct as
select DISTINCT id,first_name,address from employee1;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| status  |
|---|
| 1 Table EMPLOYEE_DISTINCT successfully created. |

| Query Details                        |                 |
|--------------------------------------|-----------------|
| 01b3120b-3201-0730-0008-137200017042 | 2s              |
| Rows                                 | 1               |
| End time                             | Mon Mar 18 2024 |
| Scanned                              | 1.5KB (100%)    |
| Role                                 | ACCOUNTADMIN    |

```
create or replace view employee_distinct_vw as
select DISTINCT id,first_name,address from employee;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

status

1 View EMPLOYEE\_DISTINCT\_VW successfully created.

**Query Details**

01b3120d-3201-077e-0008-13720001805a

Query Duration: 179ms  
Rows: 1  
End time: Mon Mar 18 2024  
Scanned: 0 (0%)  
Role: ACCOUNTADMIN

```
select * from employee_distinct;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| ID | FIRST_NAME | ADDRESS          |
|----|------------|------------------|
| 1  | shreyash   | pune             |
| 2  | name1      | address1         |
| 3  | shreyash1  | No address found |
| 4  | name2      | No address found |

**Query Details**

01b3120d-3201-077e-0008-13720001806e

Query Duration: 1s  
Rows: 4  
End time: Mon Mar 18 2024  
Scanned: 1.5KB (100%)  
Role: ACCOUNTADMIN

```
select * from employee_distinct_vw;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| ID | FIRST_NAME | ADDRESS          |
|----|------------|------------------|
| 1  | shreyash   | pune             |
| 2  | name1      | address1         |
| 3  | shreyash1  | No address found |
| 4  | name2      | No address found |

**Query Details**

01b3120e-3201-0730-0008-137200017072

Query Duration: 155ms  
Rows: 4  
End time: Mon Mar 18 2024  
Scanned: 1.5KB (100%)  
Role: ACCOUNTADMIN

```
select * from employee1;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

| ID | FIRST_NAME | ADDRESS          |
|----|------------|------------------|
| 1  | shreyash   | pune             |
| 2  | name1      | address1         |
| 3  | shreyash1  | No address found |
| 4  | name2      | No address found |

**Query Details**

01b3120e-3201-077f-0008-13720001909e

Query Duration: 1s  
Rows: 4  
End time: Mon Mar 18 2024  
Scanned: 1.5KB (100%)  
Role: ACCOUNTADMIN

```
INSERT INTO employee (id,first_name)
values
(7,'ghi'),
(8,'xyz');
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE

number of rows inserted

1 2

**Query Details**

01b3120f-3201-077e-0008-137200018082

Query Duration: 486ms  
Rows: 1  
End time: Mon Mar 18 2024  
Scanned: 1.5KB (100%)  
Role: ACCOUNTADMIN

## -- TIME TRAVEL

```
select * from employee_distinct;
```

The screenshot shows a Snowflake query results page. At the top, there are tabs: PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The SNOWFLAKE tab is selected. Below the tabs is a table with columns: ID, FIRST\_NAME, and ADDRESS. The data is as follows:

| ID | FIRST_NAME | ADDRESS          |
|----|------------|------------------|
| 1  | shreyash   | pune             |
| 2  | name1      | address1         |
| 3  | shreyash1  | No address found |
| 4  | name2      | No address found |

To the right of the table is a "Query Details" panel. It shows the following information:

- Query ID: 01b3120f-3201-077f-0008-1372000190be
- Query Duration: 38ms
- Rows: 4
- End time: Mon Mar 18 2024
- Scanned: 0 (0%)
- Role: ACCOUNTADMIN

```
delete from employee_distinct where id ='1';
```

The screenshot shows a Snowflake query results page. At the top, there are tabs: PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The SNOWFLAKE tab is selected. Below the tabs is a table with a single column: "number of rows deleted". The data is as follows:

| number of rows deleted |
|------------------------|
| 1                      |

To the right of the table is a "Query Details" panel. It shows the following information:

- Query ID: 01b31210-3201-077f-0008-1372000190c6
- Query Duration: 313ms
- Rows: 1
- End time: Mon Mar 18 2024
- Scanned: 1.5KB (100%)
- Role: ACCOUNTADMIN

```
insert into employee_distinct
SELECT * FROM employee_distinct BEFORE(STatement => '01b31211-3201-077e-0008-
1372000180b2');
```

The screenshot shows a Snowflake query results page. At the top, there are tabs: PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The SNOWFLAKE tab is selected. Below the tabs is a table with a single column: "number of rows inserted". The data is as follows:

| number of rows inserted |
|-------------------------|
| 6                       |

To the right of the table is a "Query Details" panel. It shows the following information:

- Query ID: 01b31211-3201-077f-0008-1372000190ee
- Query Duration: 434ms
- Rows: 1
- End time: Mon Mar 18 2024
- Scanned: 3.0KB (100%)
- Role: ACCOUNTADMIN

```
insert into employee_distinct
select * from employee_distinct at (offset=> -60*9);
```

The screenshot shows a Snowflake query results page. At the top, there are tabs: PROBLEMS, OUTPUT, TERMINAL, PORTS, SNOWFLAKE, SNOWFLAKE, SQL CONSOLE, and DEBUG CONSOLE. The SNOWFLAKE tab is selected. Below the tabs is a table with a single column: "number of rows inserted". The data is as follows:

| number of rows inserted |
|-------------------------|
| 11                      |

To the right of the table is a "Query Details" panel. It shows the following information:

- Query ID: 01b31213-3201-077e-0008-1372000180ba
- Query Duration: 322ms
- Rows: 1
- End time: Mon Mar 18 2024
- Scanned: 3.0KB (100%)
- Role: ACCOUNTADMIN

```
show parameters in schema public;
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

| key                           | value | default | level | description                               | type    |
|-------------------------------|-------|---------|-------|---|---------|
| 1 CATALOG                     |       |         |       | Name of the catalog                       | STRING  |
| 2 DATA_RETENTION_TIME_IN_DAYS | 1     | 1       |       | number of days to retain data             | NUMBER  |
| 3 DEFAULT_DDL_COLLATION       |       |         |       | Collation that is used for DDL statements | STRING  |
| 4 ENABLE_CONSOLE_OUTPUT       | false | false   |       | Enable stdout/stderr output               | BOOLEAN |

Query Details  
01b31214-3201-077e-0008-1372000180be X  
Query Duration 20ms  
Rows 15  
End time Mon Mar 18 2024  
Scanned 0 (0%)  
Role ACCOUNTADMIN

```
select * from exceldata.PUBLIC.ticket_flights; -- 625ms -- 64ms
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

⚠️ Displaying 10,000 of 1,045,726 rows

| TICKET_NO       | FLIGHT_ID | FARE_CONDITIONS | AMOUNT |
|-----------------|-----------|-----------------|--------|
| 1 0005432000987 | 28935     | Economy         | 6200   |
| 2 0005432000988 | 28935     | Economy         | 6200   |
| 3 0005432000989 | 28939     | Economy         | 6200   |
| 4 0005432000990 | 28939     | Business        | 18500  |

Query Details  
01b31214-3201-077f-0008-1372000190fa X  
Query Duration 1s  
Rows 1,045,726  
End time Mon Mar 18 2024  
Scanned 3.4MB (100%)  
Role ACCOUNTADMIN

```
select * from exceldata.public.boarding_passes; -- 1.6s -- 43 ms
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

⚠️ Displaying 10,000 of 579,686 rows

| TICKET_NO       | FLIGHT_ID | BOARDING_NO | SEAT_NO |
|-----------------|-----------|-------------|---------|
| 1 0005432000987 | 28935     | 10          | 7A      |
| 2 0005432000988 | 28935     | 14          | 10E     |
| 3 0005432000989 | 28939     | 27          | 18E     |
| 4 0005432000990 | 28939     | 2           | 3F      |

Query Details  
01b31215-3201-077e-0008-1372000180d2 X  
Query Duration 1s  
Rows 579,686  
End time Mon Mar 18 2024  
Scanned 2.7MB (100%)  
Role ACCOUNTADMIN

```
select * from my_db.public.boarding_passes AS a
full outer join exceldata.PUBLIC.ticket_flights AS b
ON a.ticket_no=b.ticket_no; -- 4.8 secs - 177 ms
```

PROBLEMS OUTPUT TERMINAL PORTS SNOWFLAKE SNOWFLAKE SQL CONSOLE DEBUG CONSOLE X

⚠️ Displaying 10,000 of 2,272,482 rows

| TICKET_NO       | FLIGHT_ID | BOARDING_NO | SEAT_NO | TICKET_NO_2   | FLIGHT_ID_2 |
|-----------------|-----------|-------------|---------|---------------|-------------|
| 1 0005432000987 | 28935     | 10          | 7A      | 0005432000987 | 28935       |
| 2 0005432000988 | 28935     | 14          | 10E     | 0005432000988 | 28935       |
| 3 0005432000989 | 28939     | 27          | 18E     | 0005432000989 | 28939       |
| 4 0005432000990 | 28939     | 2           | 3F      | 0005432000990 | 28939       |

Query Details  
01b31215-3201-0730-0008-1372000170c2 X  
Query Duration 4s  
Rows 2,272,482  
End time Mon Mar 18 2024  
Scanned 6.1MB (100%)  
Role ACCOUNTADMIN

Challenges:

```
-- Challenges
/*
Question 1:
Level: Simple
Topic: DISTINCT
Task: Create a list of all the different (distinct) replacement costs of the
films.
Question: What's the lowest replacement cost?
Answer: 9.99
*/
-- data
select * from film limit 100;
select * from film_category limit 100;
select * from category limit 100;
select * from actor;
select * from film_actor;

select * from film limit 100;

select min(REPLACEMENT_COST) as lowest_replacement_cost
from ( select distinct REPLACEMENT_COST from film )
as distinct_cost;
```

The screenshot shows a database query results interface. At the top, there are tabs for 'Results' and 'Chart'. Below the tabs, the query results are displayed in a table with one row. The table has two columns: the first column contains the value '1', and the second column is labeled 'LOWEST\_REPLACEMENT\_COST' with the value '9.99'. To the right of the table, there is a 'Query Details' panel. It shows the following information: 'Query duration' is 63ms, 'Rows' is 1, and 'Query ID' is 01b3124b-3201-077f-0... . There are also three small icons in the top right corner of the results area.

|   | LOWEST_REPLACEMENT_COST |
|---|-------------------------|
| 1 | 9.99                    |

Query Details

Query duration 63ms

Rows 1

Query ID 01b3124b-3201-077f-0...