Layoffs-Trends-Analysis

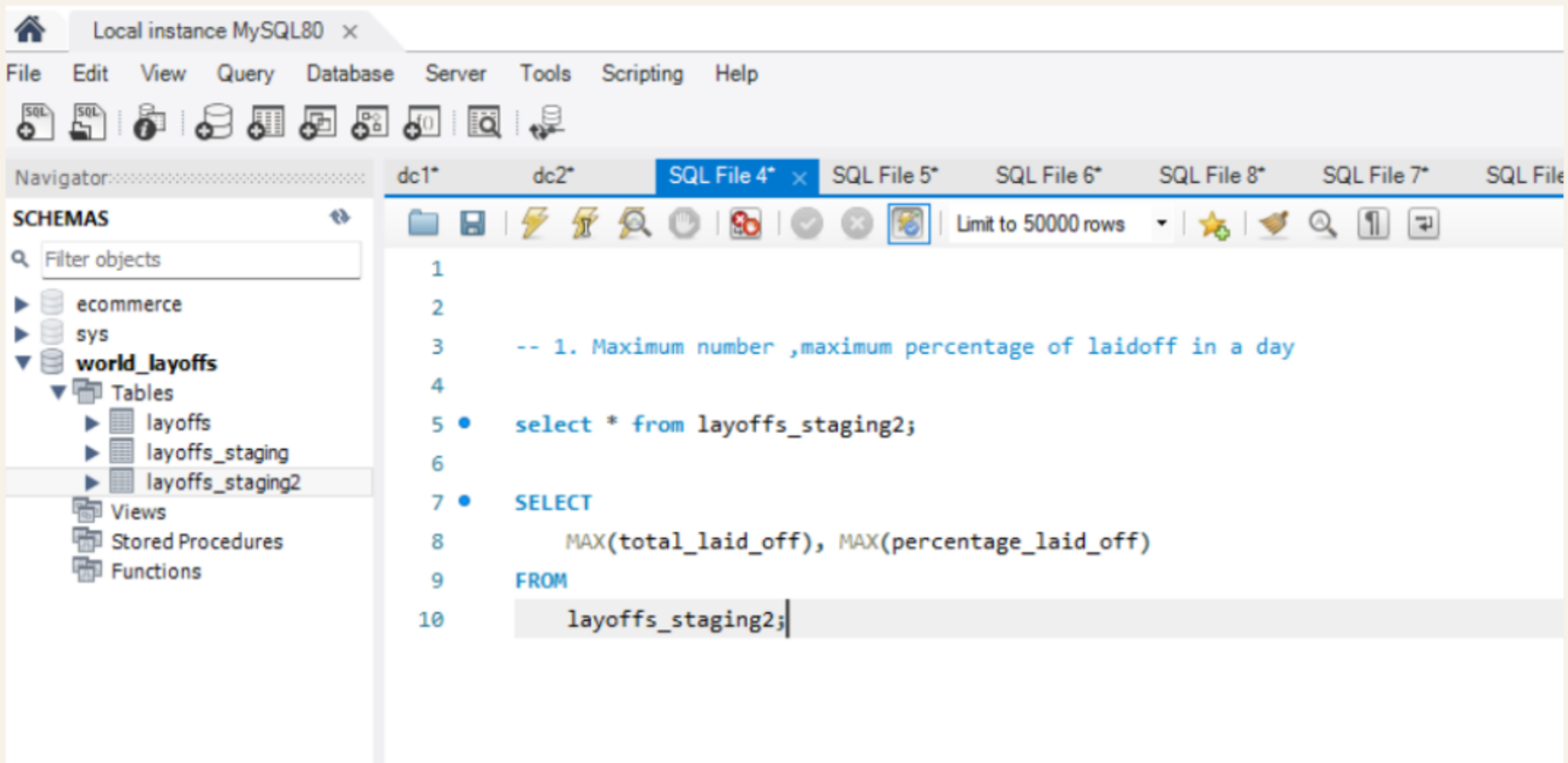
Dataset Description

This dataset contains information on company layoffs, including details about the affected companies, locations, industries, and financial factors. It helps track layoffs over time and analyze trends across different sectors and regions.

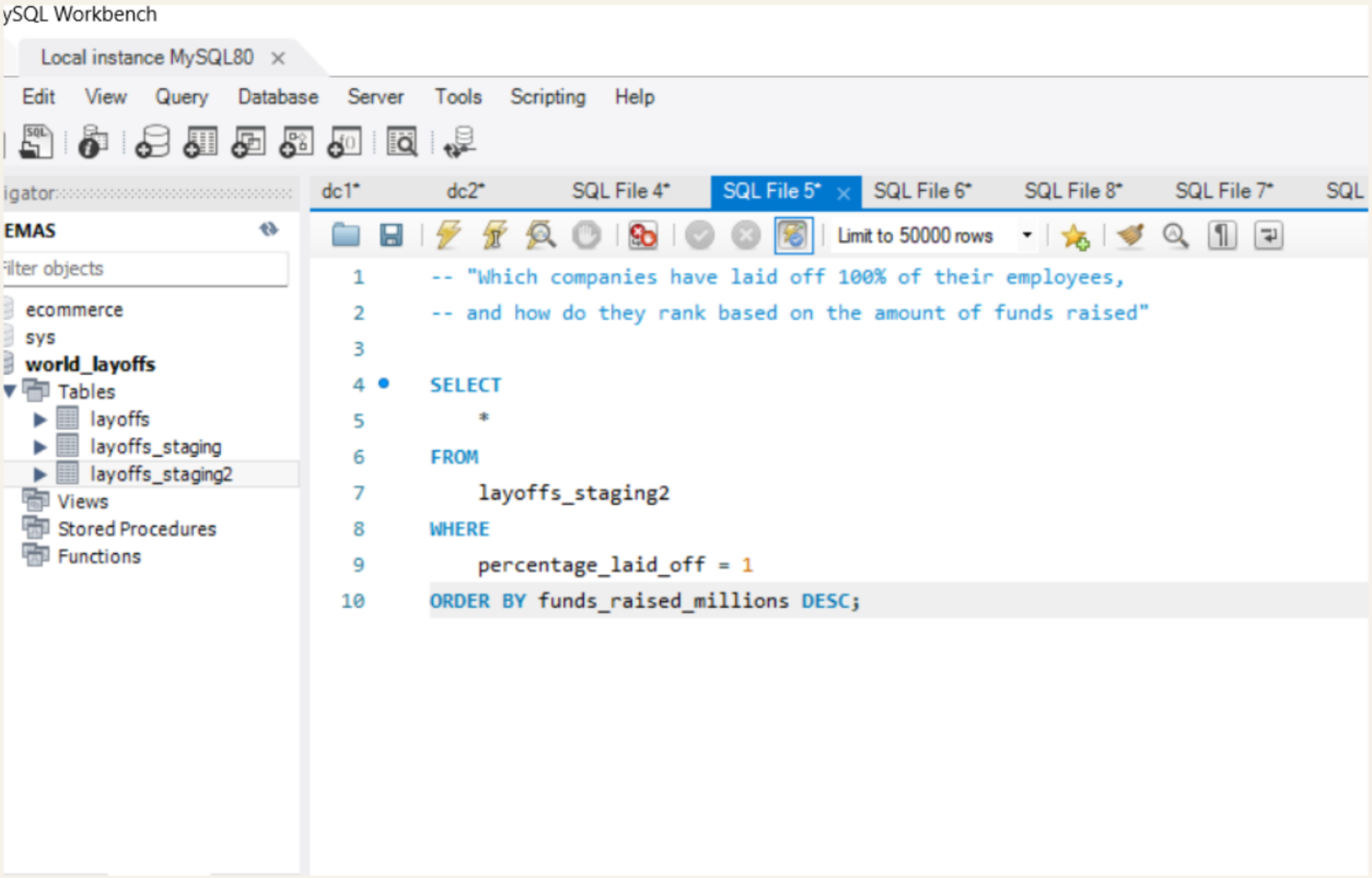
PROBLEM SET

1. Maximum number ,maximum percentage of laidoff in a day.
2. Which companies have laid off 100% of their employees, and how do they rank based on the amount of funds raised.
3. Which company has the highest total number of layoffs.
4. Which company has the highest total number of layoffs
5. What is the earliest and latest recorded layoff date in the dataset.
6. In which year were the highest total layoffs recorded.
7. How have total layoffs accumulated over time on a month-by-month basis.
8. Which companies had the highest layoffs each year, and how do they rank in terms of total layoffs

1


Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator:
SCHEMAS
Filter objects
ecommerce
sys
world_layoffs
Tables
layoffs
layoffs_staging
layoffs_staging2
Views
Stored Procedures
Functions
dc1*
dc2*
SQL File 4*
SQL File 5*
SQL File 6*
SQL File 8*
SQL File 7*
Limit to 50000 rows
-- 1. Maximum number ,maximum percentage of laidoff in a day
select * from layoffs_staging2;
SELECT
MAX(total_laid_off), MAX(percentage_laid_off)
FROM
layoffs_staging2;

2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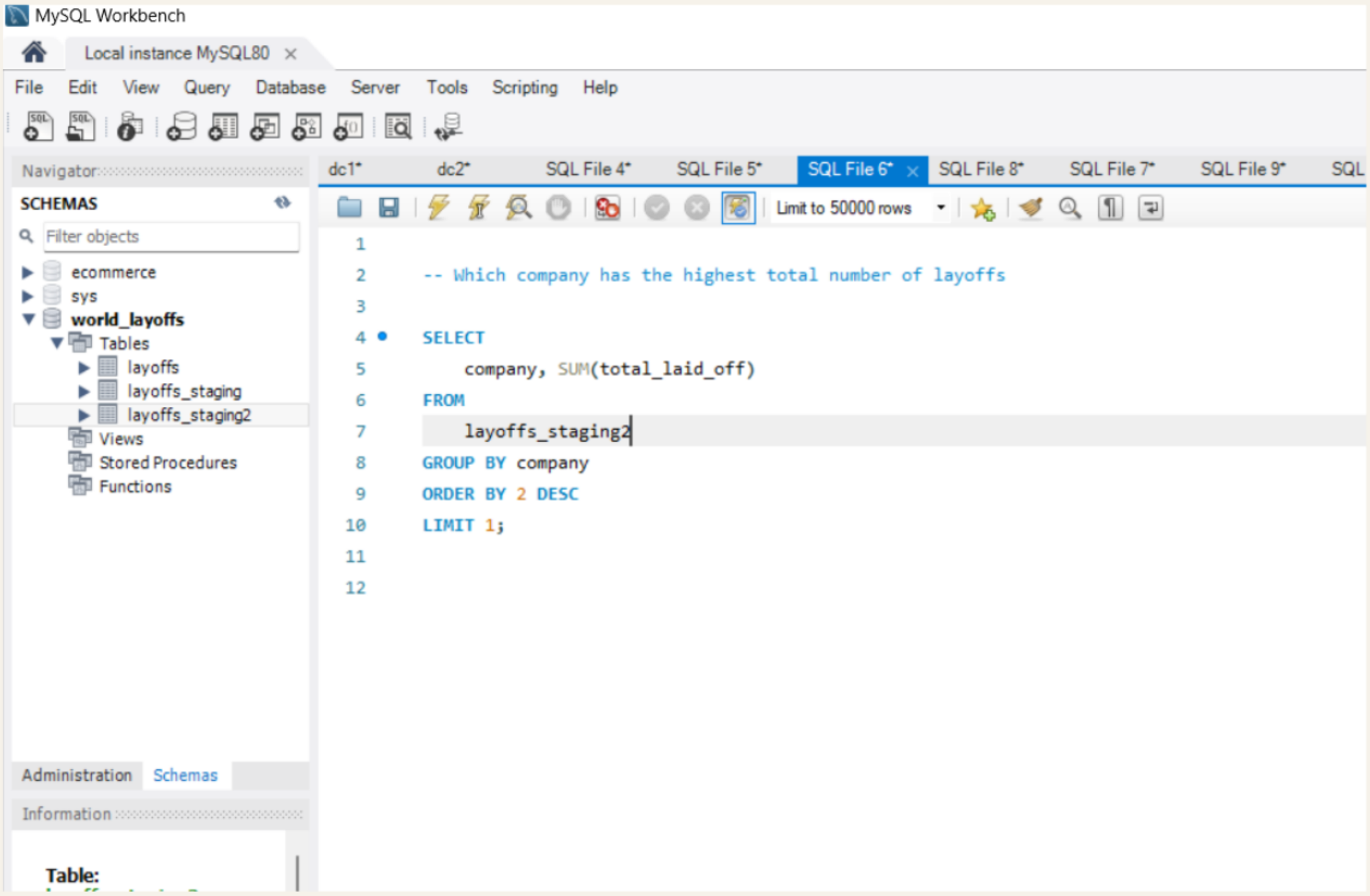
dc2*
SQL File 4*
SQL File 5*
SQL File 6*
SQL File 8*
SQL File 7*
SQL
Limit to 50000 rows
1 -- "Which companies have laid off 100% of their employees,
2 -- and how do they rank based on the amount of funds raised"
3
4 SELECT
5 *
6 FROM
7 layoffs_staging2
8 WHERE
9 percentage_laid_off = 1
10 ORDER BY funds_raised_millions DESC;

3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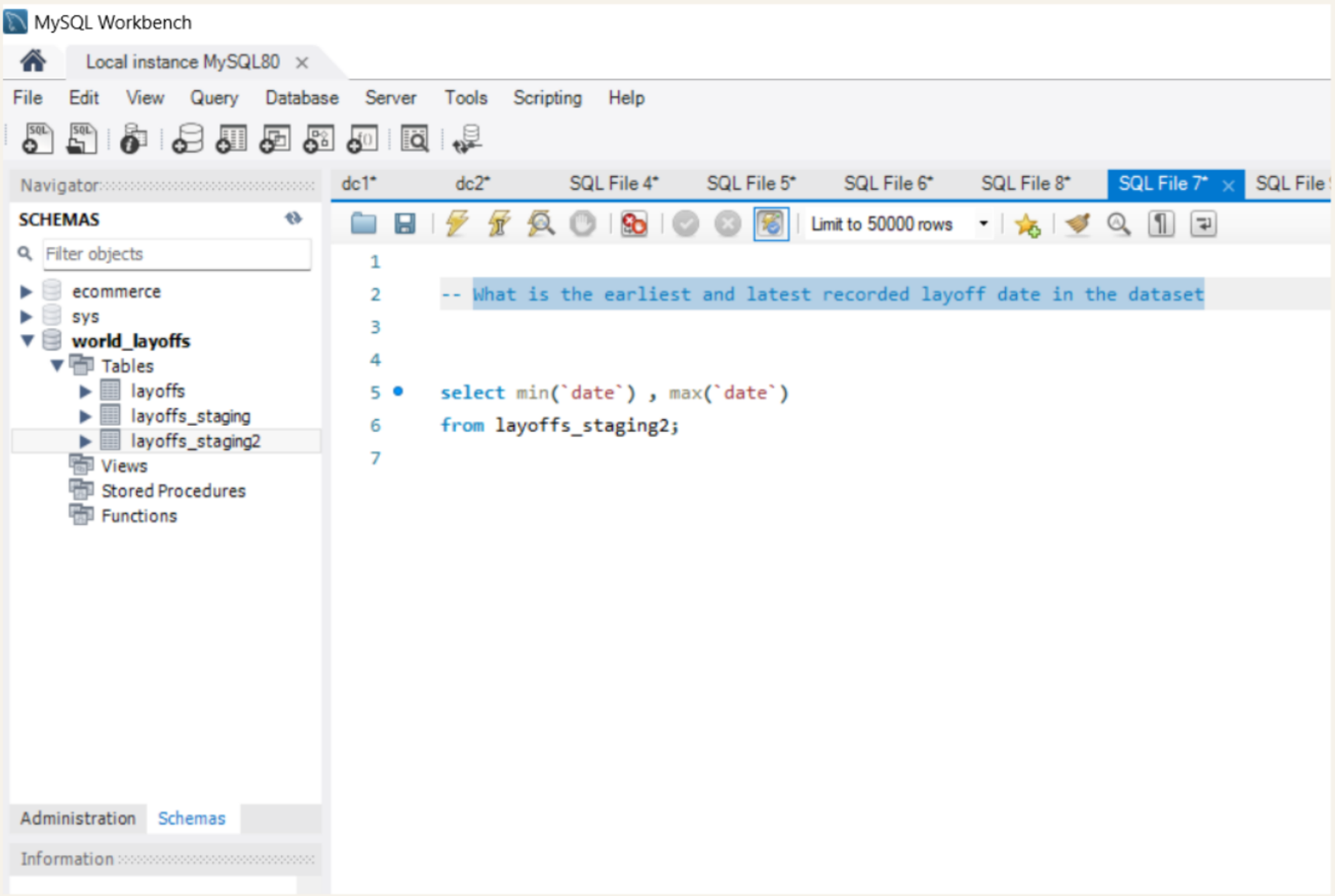
Administration Schemas
Information
Table:
dc1* dc2* SQL File 4* SQL File 5* SQL File 6* SQL File 8* SQL File 7* SQL File 9* SQL
Limit to 50000 rows
-- Which company has the highest total number of layoffs
SELECT
company, SUM(total_laid_off)
FROM
layoffs_staging2
GROUP BY company
ORDER BY 2 DESC
LIMIT 1;

4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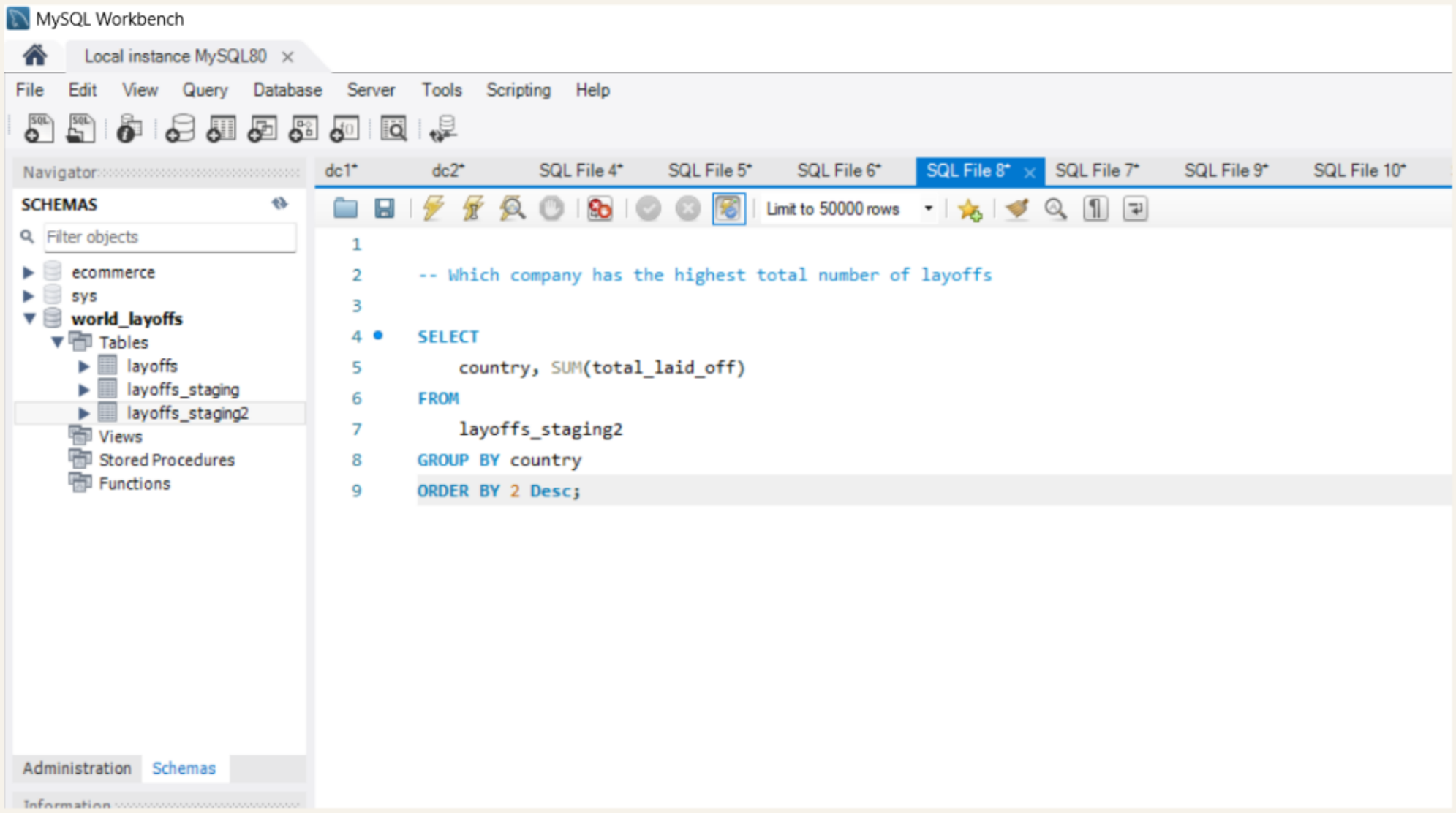
Limit to 50000 rows
1
2 -- What is the earliest and latest recorded layoff date in the dataset
3
4
5 select min(`date`) , max(`date`)
6 from layoffs_staging2;
7

5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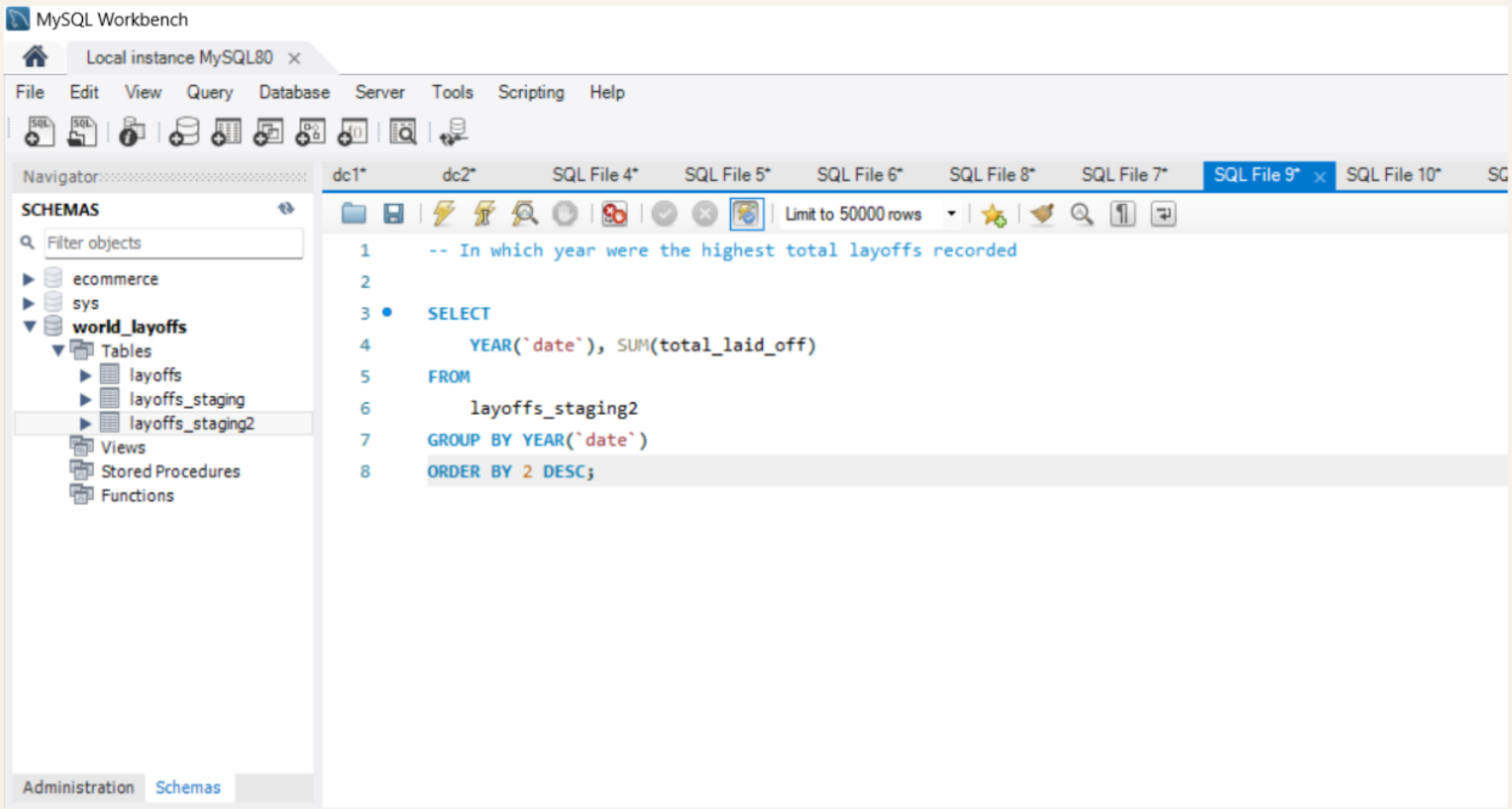
Limit to 50000 rows
1
2 -- Which company has the highest total number of layoffs
3
4 SELECT
5 country, SUM(total_laid_off)
6 FROM
7 layoffs_staging2
8 GROUP BY country
9 ORDER BY 2 Desc;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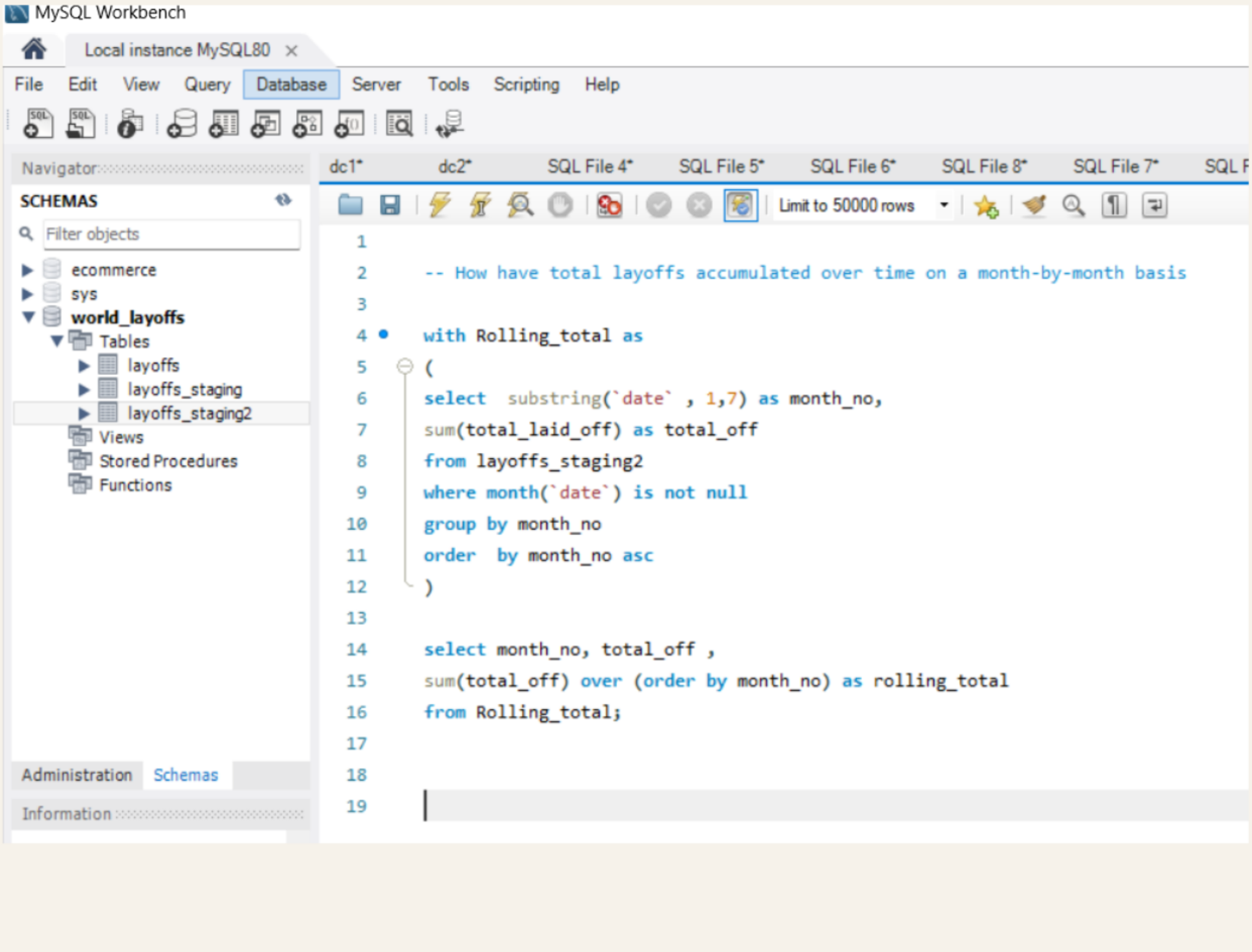
Administration Schemas
dc1* dc2* SQL File 4* SQL File 5* SQL File 6* SQL File 8* SQL File 7* SQL File 9* SQL File 10*
Limit to 50000 rows
1 -- In which year were the highest total layoffs recorded
2
3 SELECT
4 YEAR(`date`), SUM(total_laid_off)
5 FROM
6 layoffs_staging2
7 GROUP BY YEAR(`date`)
8 ORDER BY 2 DESC;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Limit to 50000 rows
1
2 -- How have total layoffs accumulated over time on a month-by-month basis
3
4 with Rolling_total as
5 (
6 select substring(`date` , 1,7) as month_no,
7 sum(total_laid_off) as total_off
8 from layoffs_staging2
9 where month(`date`) is not null
10 group by month_no
11 order by month_no asc
12)
13
14 select month_no, total_off ,
15 sum(total_off) over (order by month_no) as rolling_total
16 from Rolling_total;
17
18
19

8

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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- world_layoffs
  - Tables
    - layoffs
    - layoffs_staging
    - layoffs_staging2
  - Views
  - Stored Procedures
  - Functions

Administration Schemas

Information

Table:
layoffs_staging2

dc1* dc2* SQL File 4* SQL File 5* SQL File 6* SQL File 8* SQL File 7* SQL File 9* SQL File 10*

Limit to 50000 rows

```sql
-- Which companies had the highest layoffs each year,
-- and how do they rank in terms of total layoffs

with company_year(company , years , total_laid_off) as
(
select company , year(`date`) , sum(total_laid_off) as tot_laidoffs
from layoffs_staging2
group by company , year(`date`)
),
company_year_rank as
(
select *,
dense_rank() over(partition by years order by total_laid_off desc)  as den_rank
from company_year
where years is not null
order by den_rank
)

select *
from company_year_rank;
```

CONCLUSION

This project offers key insights into layoff trends, industry impacts, and workforce planning, helping businesses and policymakers make informed decisions for better economic and strategic planning.