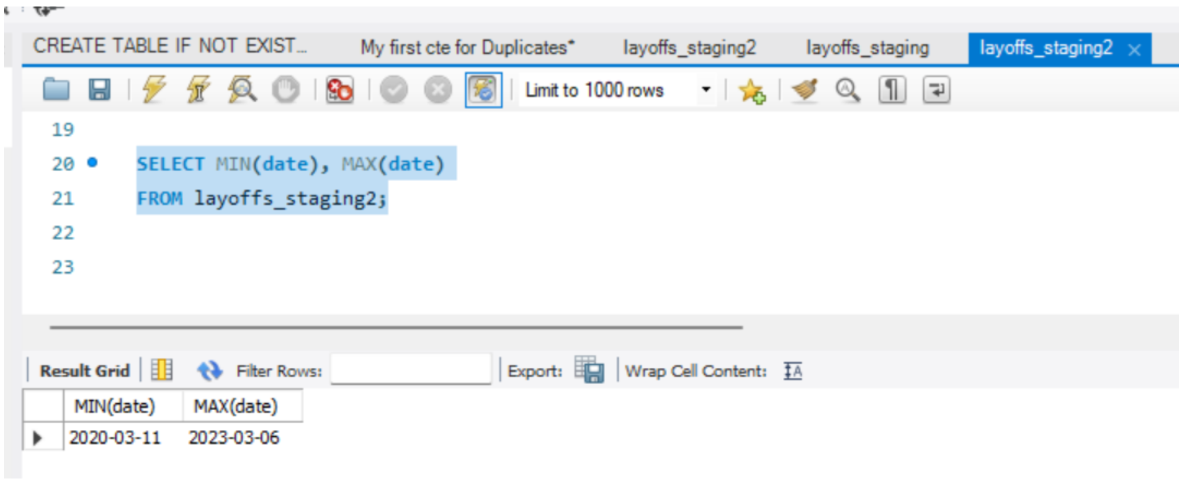
SQL Workbench Results related to the Codes in this project.

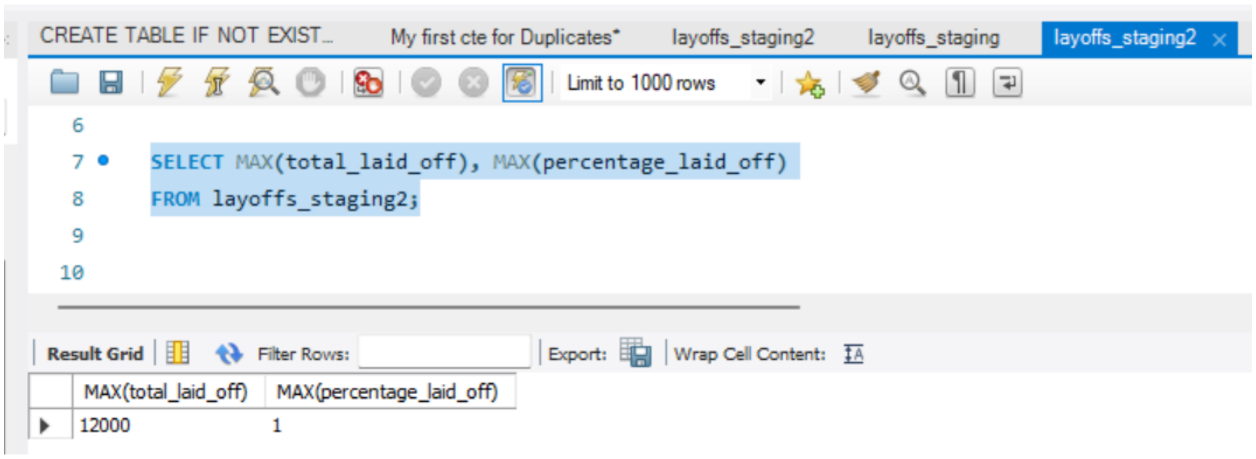
1.



```sql
SELECT MIN(date), MAX(date)
FROM layoffs_staging2;
```

| MIN(date) | MAX(date) |
|---|---|
| 2020-03-11 | 2023-03-06 |

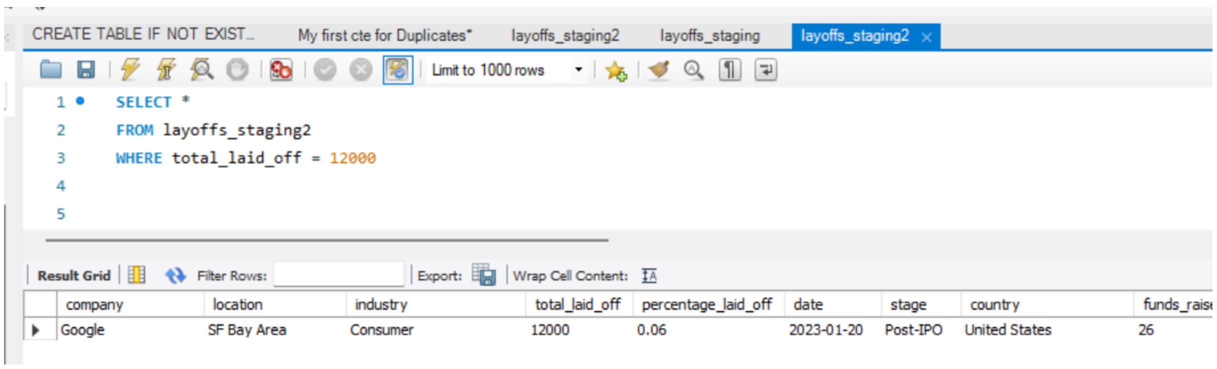
2.



```sql
SELECT MAX(total_laid_off), MAX(percentage_laid_off)
FROM layoffs_staging2;
```

| MAX(total_laid_off) | MAX(percentage_laid_off) |
|---|---|
| 12000 | 1 |

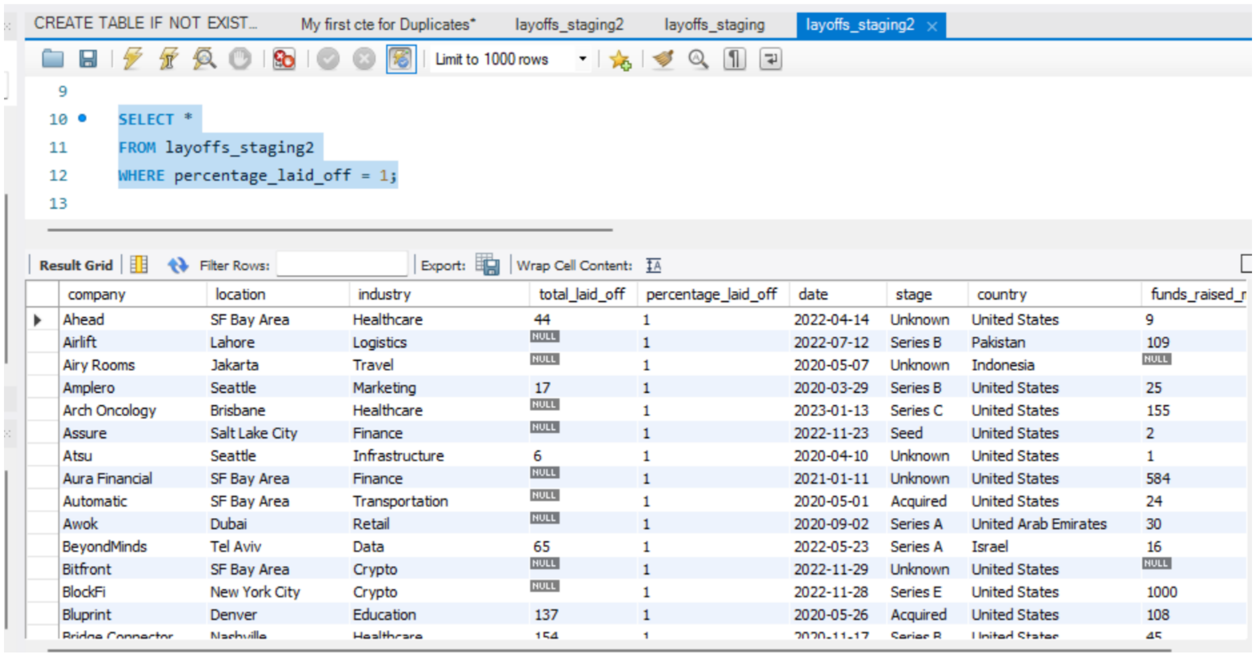
3.



```sql
SELECT *
FROM layoffs_staging2
WHERE total_laid_off = 12000
```

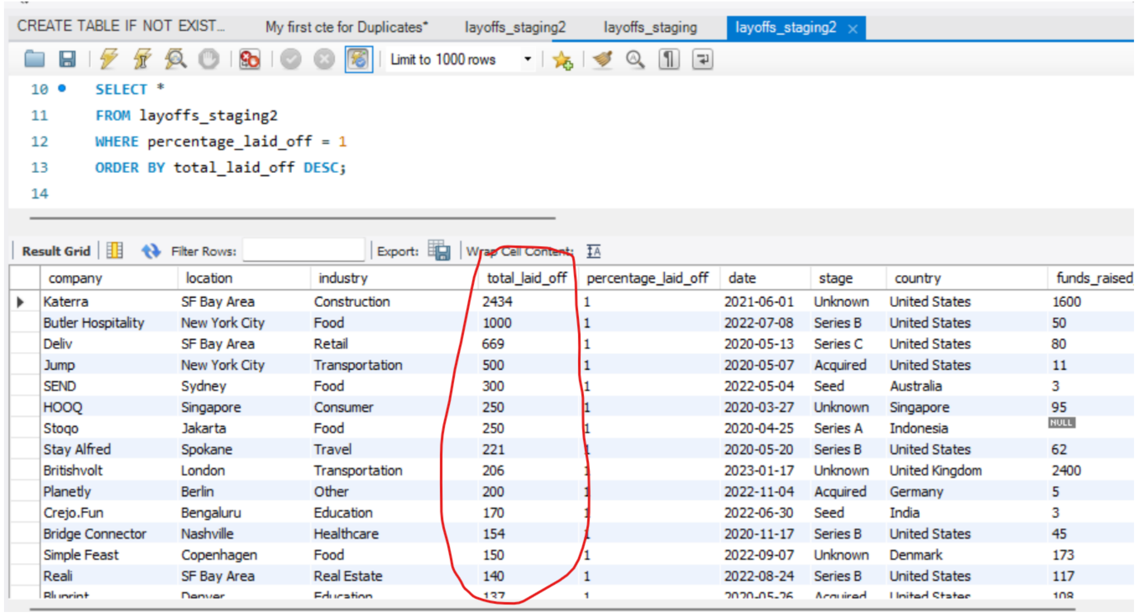
| company | location | industry | total_laid_off | percentage_laid_off | date | stage | country | funds_raise |
|---|---|---|---|---|---|---|---|---|
| Google | SF Bay Area | Consumer | 12000 | 0.06 | 2023-01-20 | Post-IPO | United States | 26 |

4.



```sql
SELECT *
FROM layoffs_staging2
WHERE percentage_laid_off = 1;
```

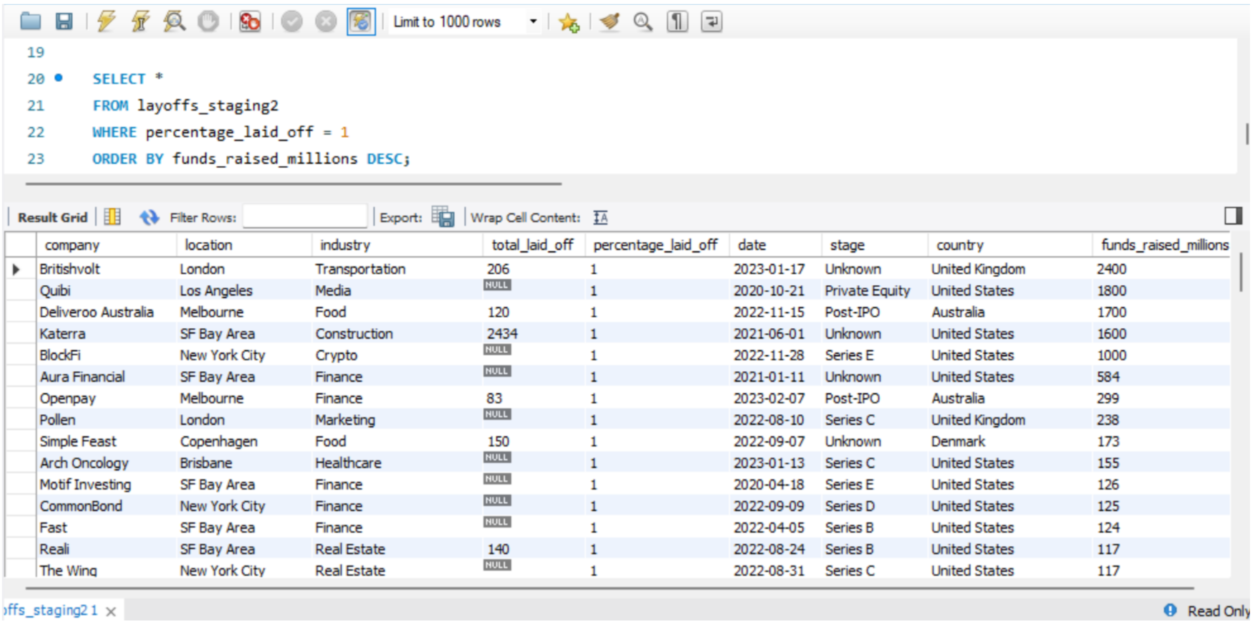
| company | location | industry | total_laid_off | percentage_laid_off | date | stage | country | funds_raised_r |
|---|---|---|---|---|---|---|---|---|
| Ahead | SF Bay Area | Healthcare | 44 | 1 | 2022-04-14 | Unknown | United States | 9 |
| Airlift | Lahore | Logistics | NULL | 1 | 2022-07-12 | Series B | Pakistan | 109 |
| Airy Rooms | Jakarta | Travel | NULL | 1 | 2020-05-07 | Unknown | Indonesia | NULL |
| Amplero | Seattle | Marketing | 17 | 1 | 2020-03-29 | Series B | United States | 25 |
| Arch Oncology | Brisbane | Healthcare | NULL | 1 | 2023-01-13 | Series C | United States | 155 |
| Assure | Salt Lake City | Finance | NULL | 1 | 2022-11-23 | Seed | United States | 2 |
| Atsu | Seattle | Infrastructure | 6 | 1 | 2020-04-10 | Unknown | United States | 1 |
| Aura Financial | SF Bay Area | Finance | NULL | 1 | 2021-01-11 | Unknown | United States | 584 |
| Automatic | SF Bay Area | Transportation | NULL | 1 | 2020-05-01 | Acquired | United States | 24 |
| Awok | Dubai | Retail | NULL | 1 | 2020-09-02 | Series A | United Arab Emirates | 30 |
| BeyondMinds | Tel Aviv | Data | 65 | 1 | 2022-05-23 | Series A | Israel | 16 |
| Bitfront | SF Bay Area | Crypto | NULL | 1 | 2022-11-29 | Unknown | United States | NULL |
| BlockFi | New York City | Crypto | NULL | 1 | 2022-11-28 | Series E | United States | 1000 |
| Bluprint | Denver | Education | 137 | 1 | 2020-05-26 | Acquired | United States | 108 |
| Bridge Connector | Nashville | Healthcare | 154 | 1 | 2020-11-17 | Series B | United States | 45 |



```sql
SELECT *
FROM layoffs_staging2
WHERE percentage_laid_off = 1
ORDER BY total_laid_off DESC;
```

| company | location | industry | total_laid_off | percentage_laid_off | date | stage | country | funds_raised |
|---|---|---|---|---|---|---|---|---|
| Katerra | SF Bay Area | Construction | 2434 | 1 | 2021-06-01 | Unknown | United States | 1600 |
| Butler Hospitality | New York City | Food | 1000 | 1 | 2022-07-08 | Series B | United States | 50 |
| Deliv | SF Bay Area | Retail | 669 | 1 | 2020-05-13 | Series C | United States | 80 |
| Jump | New York City | Transportation | 500 | 1 | 2020-05-07 | Acquired | United States | 11 |
| SEND | Sydney | Food | 300 | 1 | 2022-05-04 | Seed | Australia | 3 |
| HOOQ | Singapore | Consumer | 250 | 1 | 2020-03-27 | Unknown | Singapore | 95 |
| Stoqo | Jakarta | Food | 250 | 1 | 2020-04-25 | Series A | Indonesia | NULL |
| Stay Alfred | Spokane | Travel | 221 | 1 | 2020-05-20 | Series B | United States | 62 |
| Britishvolt | London | Transportation | 206 | 1 | 2023-01-17 | Unknown | United Kingdom | 2400 |
| Planetly | Berlin | Other | 200 | 1 | 2022-11-04 | Acquired | Germany | 5 |
| Crejo.Fun | Bengaluru | Education | 170 | 1 | 2022-06-30 | Seed | India | 3 |
| Bridge Connector | Nashville | Healthcare | 154 | 1 | 2020-11-17 | Series B | United States | 45 |
| Simple Feast | Copenhagen | Food | 150 | 1 | 2022-09-07 | Unknown | Denmark | 173 |
| Reali | SF Bay Area | Real Estate | 140 | 1 | 2022-08-24 | Series B | United States | 117 |
| Bluprint | Denver | Education | 137 | 1 | 2020-05-26 | Acquired | United States | 108 |

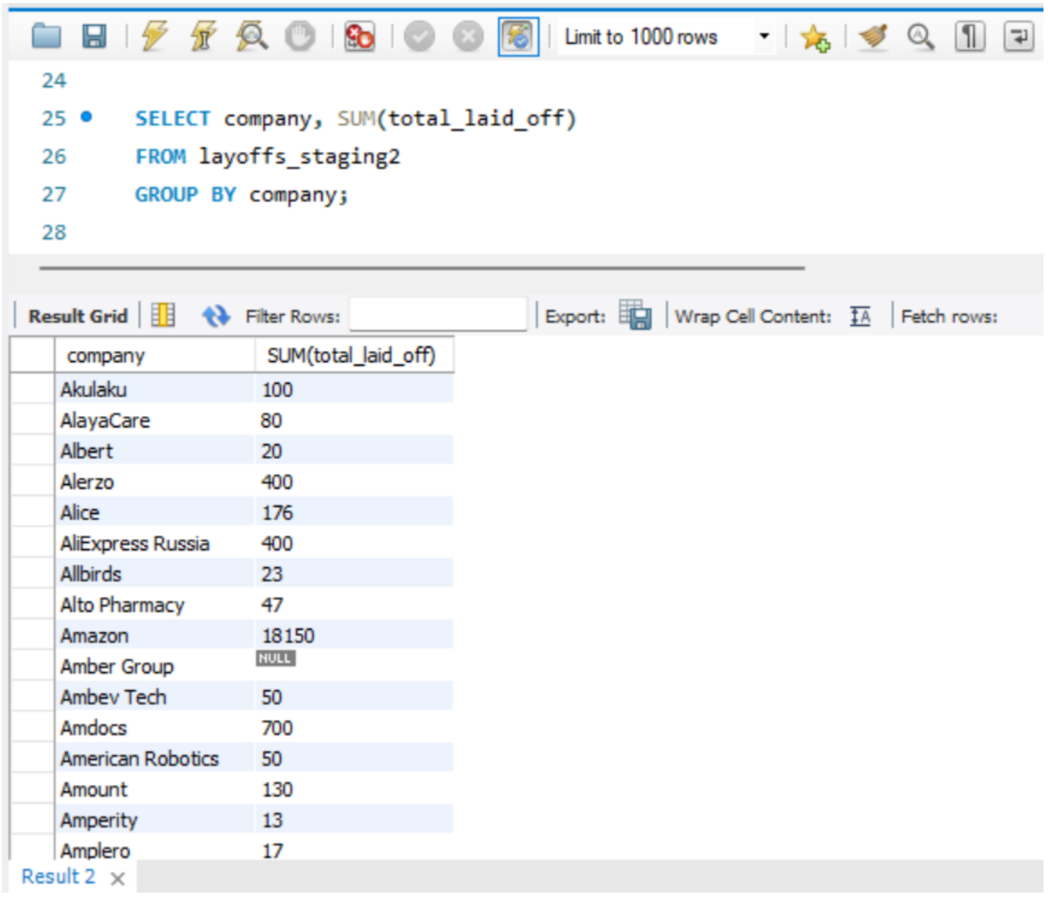
5.



```
SELECT *
FROM layoffs_staging2
WHERE percentage_laid_off = 1
ORDER BY funds_raised_millions DESC;
```

| company | location | industry | total_laid_off | percentage_laid_off | date | stage | country | funds_raised_millions |
|---|---|---|---|---|---|---|---|---|
| Britishvolt | London | Transportation | 206 | 1 | 2023-01-17 | Unknown | United Kingdom | 2400 |
| Quibi | Los Angeles | Media | NULL | 1 | 2020-10-21 | Private Equity | United States | 1800 |
| Deliveroo Australia | Melbourne | Food | 120 | 1 | 2022-11-15 | Post-IPO | Australia | 1700 |
| Katerra | SF Bay Area | Construction | 2434 | 1 | 2021-06-01 | Unknown | United States | 1600 |
| BlockFi | New York City | Crypto | NULL | 1 | 2022-11-28 | Series E | United States | 1000 |
| Aura Financial | SF Bay Area | Finance | NULL | 1 | 2021-01-11 | Unknown | United States | 584 |
| Openpay | Melbourne | Finance | 83 | 1 | 2023-02-07 | Post-IPO | Australia | 299 |
| Pollen | London | Marketing | NULL | 1 | 2022-08-10 | Series C | United Kingdom | 238 |
| Simple Feast | Copenhagen | Food | 150 | 1 | 2022-09-07 | Unknown | Denmark | 173 |
| Arch Oncology | Brisbane | Healthcare | NULL | 1 | 2023-01-13 | Series C | United States | 155 |
| Motif Investing | SF Bay Area | Finance | NULL | 1 | 2020-04-18 | Series E | United States | 126 |
| CommonBond | New York City | Finance | NULL | 1 | 2022-09-09 | Series D | United States | 125 |
| Fast | SF Bay Area | Finance | NULL | 1 | 2022-04-05 | Series B | United States | 124 |
| Reali | SF Bay Area | Real Estate | 140 | 1 | 2022-08-24 | Series B | United States | 117 |
| The Wing | New York City | Real Estate | NULL | 1 | 2022-08-31 | Series C | United States | 117 |

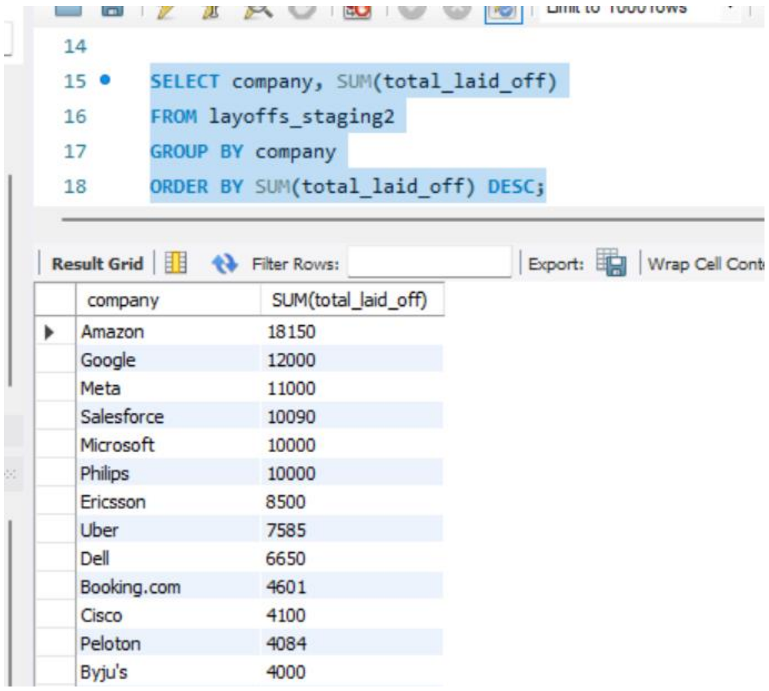
6.



```
SELECT company, SUM(total_laid_off)
FROM layoffs_staging2
GROUP BY company;
```

| company | SUM(total_laid_off) |
|---|---|
| Akulaku | 100 |
| AlayaCare | 80 |
| Albert | 20 |
| Alerzo | 400 |
| Alice | 176 |
| AliExpress Russia | 400 |
| Allbirds | 23 |
| Alto Pharmacy | 47 |
| Amazon | 18150 |
| Amber Group | NULL |
| Ambev Tech | 50 |
| Amdocs | 700 |
| American Robotics | 50 |
| Amount | 130 |
| Amperity | 13 |
| Amplero | 17 |

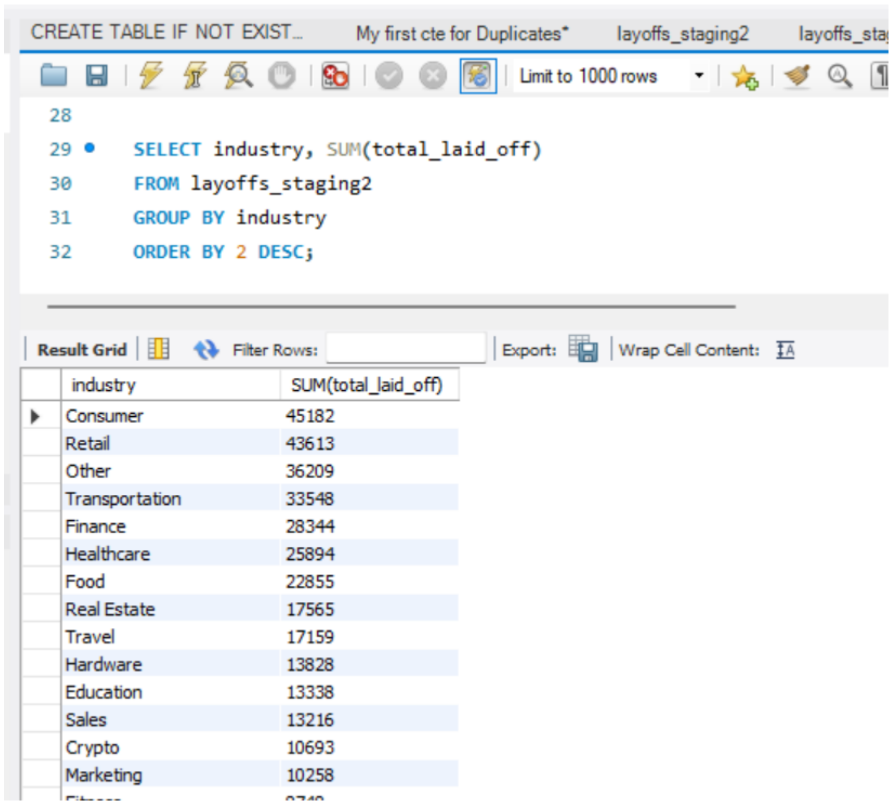
7.



```sql
SELECT company, SUM(total_laid_off)
FROM layoffs_staging2
GROUP BY company
ORDER BY SUM(total_laid_off) DESC;
```

| company | SUM(total_laid_off) |
|---|---|
| Amazon | 18150 |
| Google | 12000 |
| Meta | 11000 |
| Salesforce | 10090 |
| Microsoft | 10000 |
| Philips | 10000 |
| Ericsson | 8500 |
| Uber | 7585 |
| Dell | 6650 |
| Booking.com | 4601 |
| Cisco | 4100 |
| Peloton | 4084 |
| Byju's | 4000 |

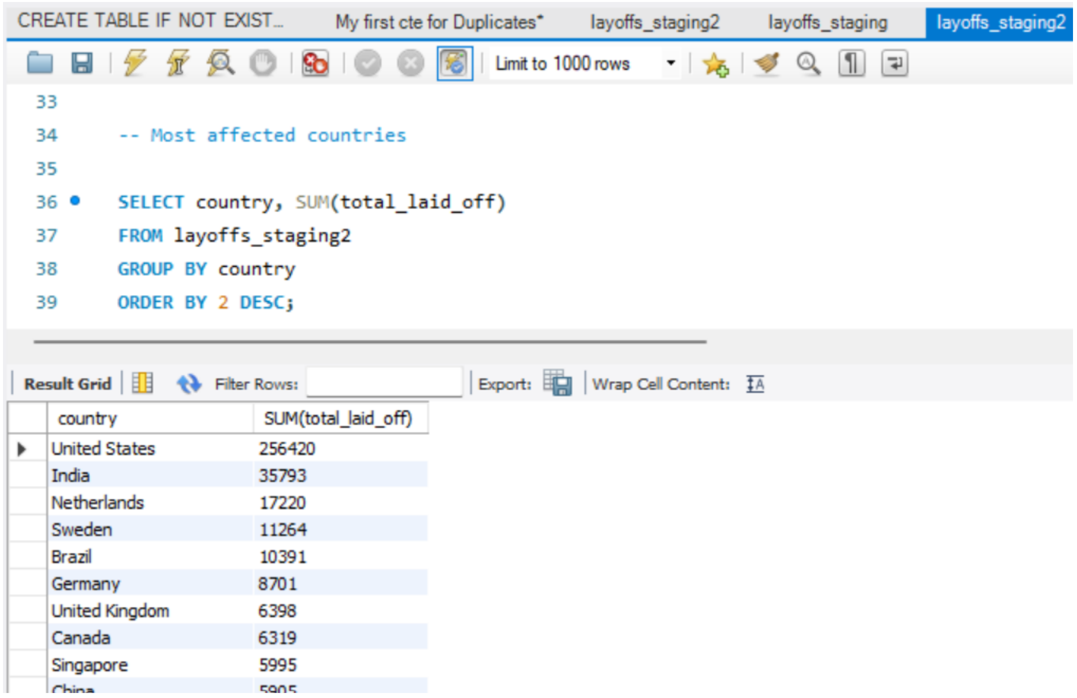
8.



```sql
SELECT industry, SUM(total_laid_off)
FROM layoffs_staging2
GROUP BY industry
ORDER BY 2 DESC;
```

| industry | SUM(total_laid_off) |
|---|---|
| Consumer | 45182 |
| Retail | 43613 |
| Other | 36209 |
| Transportation | 33548 |
| Finance | 28344 |
| Healthcare | 25894 |
| Food | 22855 |
| Real Estate | 17565 |
| Travel | 17159 |
| Hardware | 13828 |
| Education | 13338 |
| Sales | 13216 |
| Crypto | 10693 |
| Marketing | 10258 |

9.

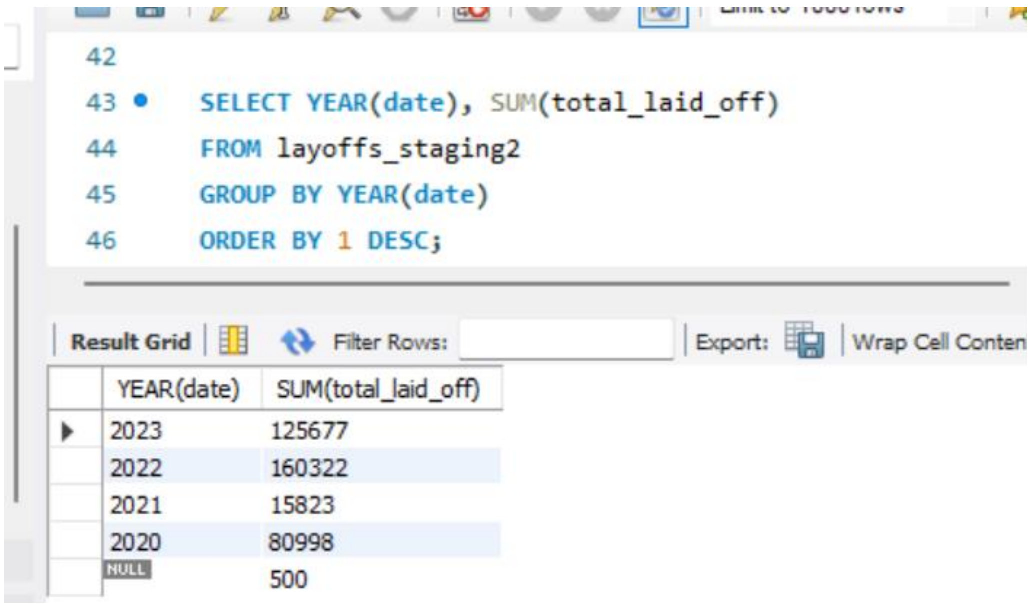


```
-- Most affected countries

SELECT country, SUM(total_laid_off)
FROM layoffs_staging2
GROUP BY country
ORDER BY 2 DESC;
```

| country | SUM(total_laid_off) |
|---|---|
| United States | 256420 |
| India | 35793 |
| Netherlands | 17220 |
| Sweden | 11264 |
| Brazil | 10391 |
| Germany | 8701 |
| United Kingdom | 6398 |
| Canada | 6319 |
| Singapore | 5995 |
| China | 5905 |

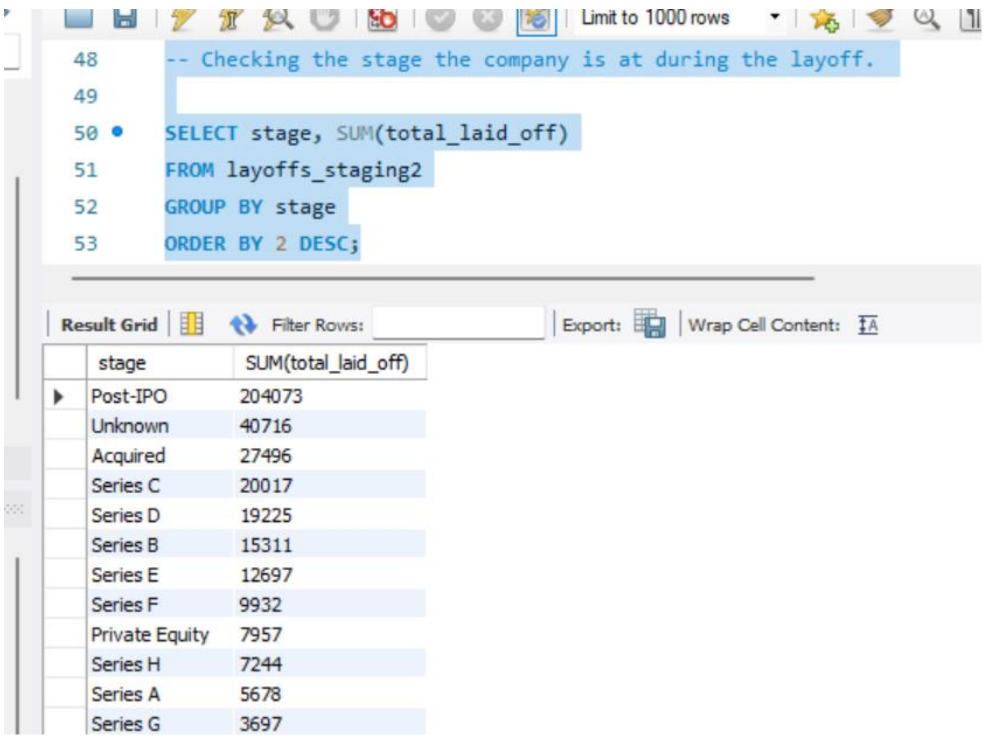
10.



```
SELECT YEAR(date), SUM(total_laid_off)
FROM layoffs_staging2
GROUP BY YEAR(date)
ORDER BY 1 DESC;
```

| YEAR(date) | SUM(total_laid_off) |
|---|---|
| 2023 | 125677 |
| 2022 | 160322 |
| 2021 | 15823 |
| 2020 | 80998 |
| NULL | 500 |

11.

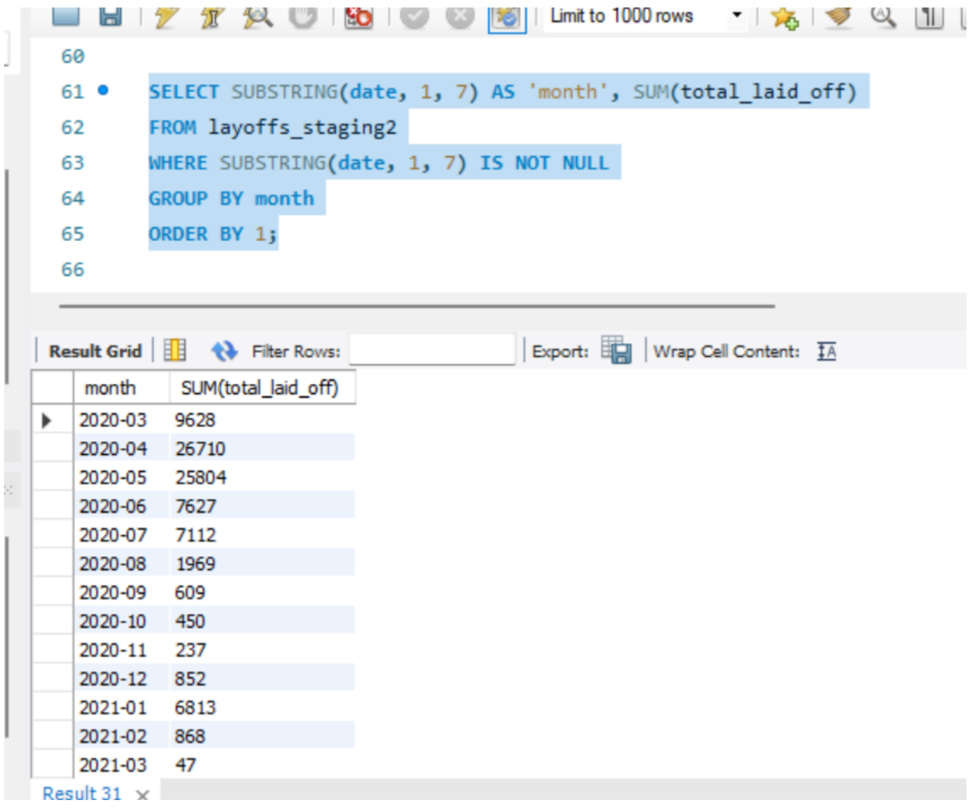


```
-- Checking the stage the company is at during the layoff.

SELECT stage, SUM(total_laid_off)
FROM layoffs_staging2
GROUP BY stage
ORDER BY 2 DESC;
```

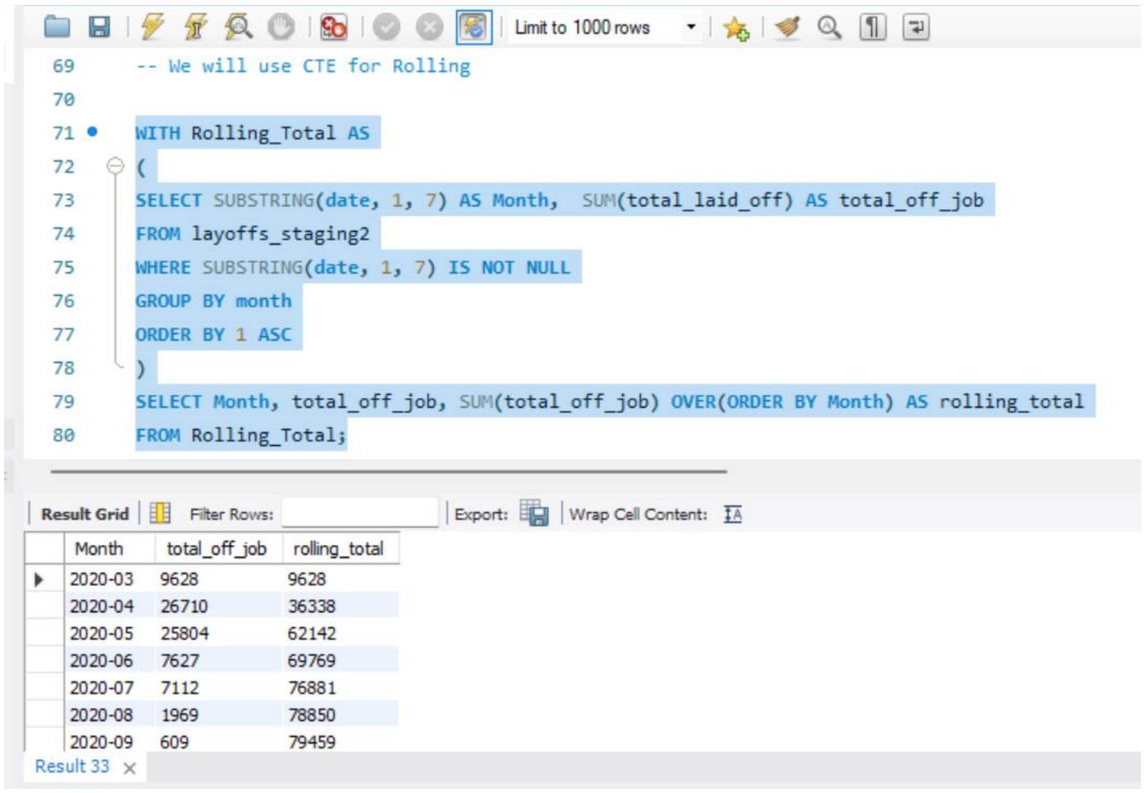
| stage | SUM(total_laid_off) |
|---|---|
| Post-IPO | 204073 |
| Unknown | 40716 |
| Acquired | 27496 |
| Series C | 20017 |
| Series D | 19225 |
| Series B | 15311 |
| Series E | 12697 |
| Series F | 9932 |
| Private Equity | 7957 |
| Series H | 7244 |
| Series A | 5678 |
| Series G | 3697 |

12.



```
SELECT SUBSTRING(date, 1, 7) AS 'month', SUM(total_laid_off)
FROM layoffs_staging2
WHERE SUBSTRING(date, 1, 7) IS NOT NULL
GROUP BY month
ORDER BY 1;
```

| month | SUM(total_laid_off) |
|---|---|
| 2020-03 | 9628 |
| 2020-04 | 26710 |
| 2020-05 | 25804 |
| 2020-06 | 7627 |
| 2020-07 | 7112 |
| 2020-08 | 1969 |
| 2020-09 | 609 |
| 2020-10 | 450 |
| 2020-11 | 237 |
| 2020-12 | 852 |
| 2021-01 | 6813 |
| 2021-02 | 868 |
| 2021-03 | 47 |

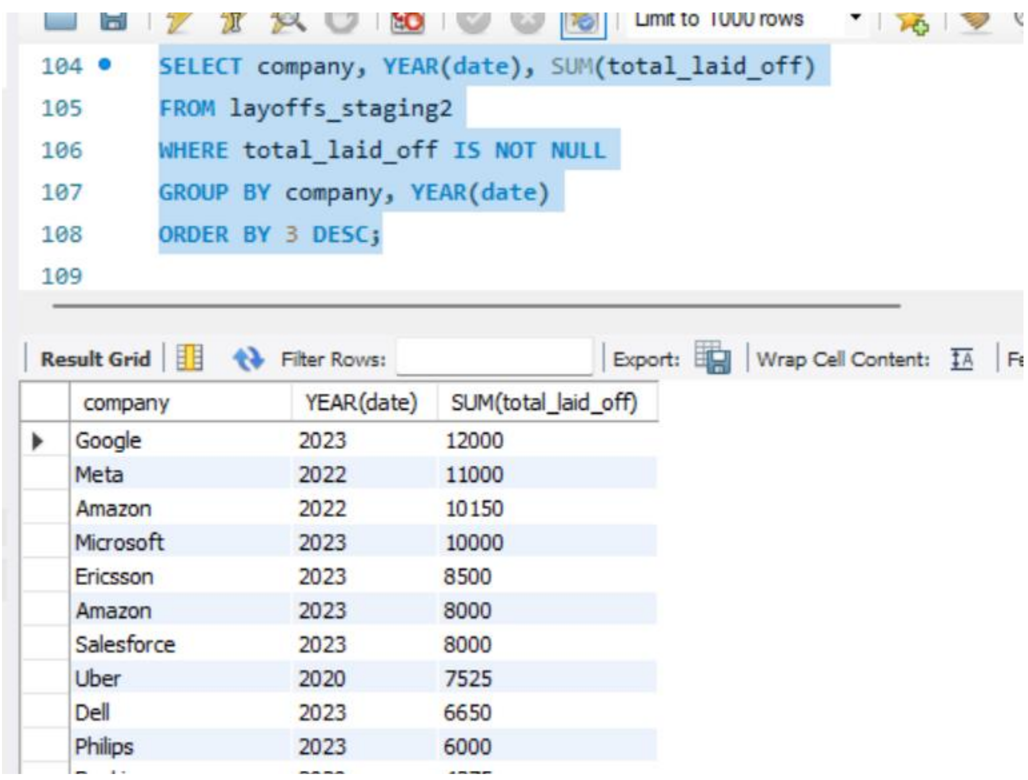


```
-- We will use CTE for Rolling

WITH Rolling_Total AS
(
SELECT SUBSTRING(date, 1, 7) AS Month,  SUM(total_laid_off) AS total_off_job
FROM layoffs_staging2
WHERE SUBSTRING(date, 1, 7) IS NOT NULL
GROUP BY month
ORDER BY 1 ASC
)
SELECT Month, total_off_job, SUM(total_off_job) OVER(ORDER BY Month) AS rolling_total
FROM Rolling_Total;
```

| Month | total_off_job | rolling_total |
|---|---|---|
| 2020-03 | 9628 | 9628 |
| 2020-04 | 26710 | 36338 |
| 2020-05 | 25804 | 62142 |
| 2020-06 | 7627 | 69769 |
| 2020-07 | 7112 | 76881 |
| 2020-08 | 1969 | 78850 |
| 2020-09 | 609 | 79459 |

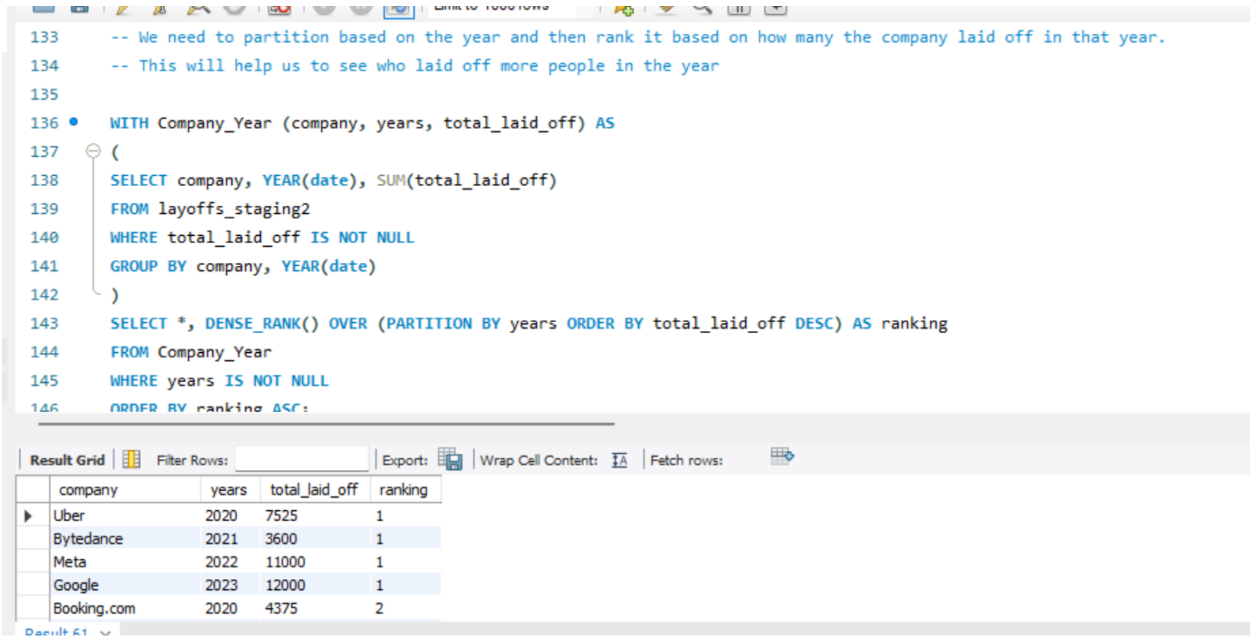
13.



```
SELECT company, YEAR(date), SUM(total_laid_off)
FROM layoffs_staging2
WHERE total_laid_off IS NOT NULL
GROUP BY company, YEAR(date)
ORDER BY 3 DESC;
```

| company | YEAR(date) | SUM(total_laid_off) |
|---|---|---|
| Google | 2023 | 12000 |
| Meta | 2022 | 11000 |
| Amazon | 2022 | 10150 |
| Microsoft | 2023 | 10000 |
| Ericsson | 2023 | 8500 |
| Amazon | 2023 | 8000 |
| Salesforce | 2023 | 8000 |
| Uber | 2020 | 7525 |
| Dell | 2023 | 6650 |
| Philips | 2023 | 6000 |

14.

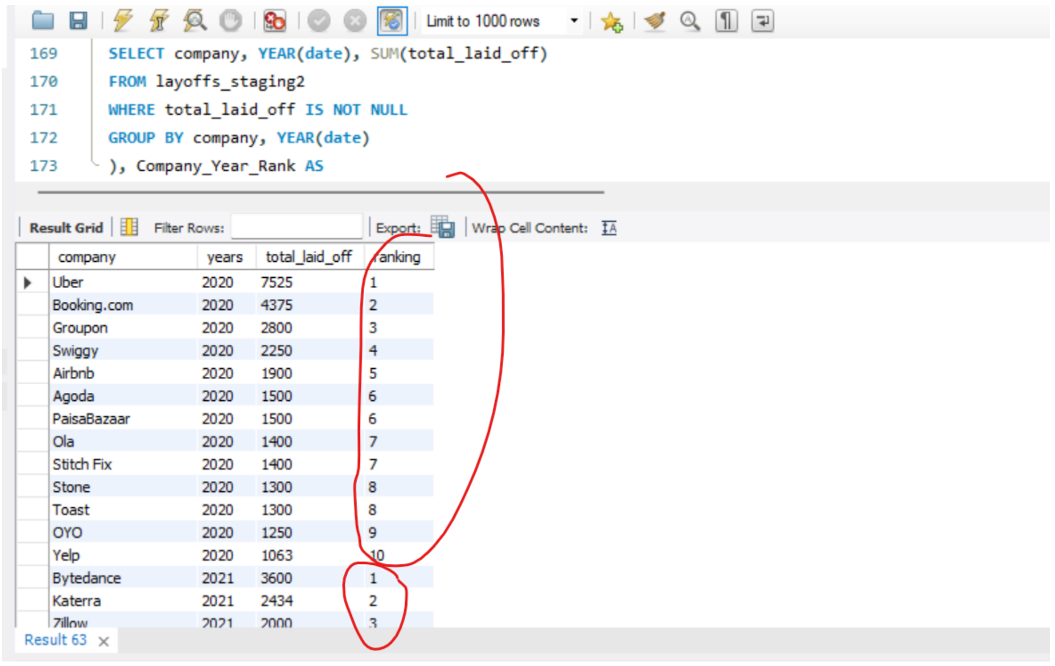


```
-- We need to partition based on the year and then rank it based on how many the company laid off in that year.
-- This will help us to see who laid off more people in the year

WITH Company_Year (company, years, total_laid_off) AS
(
SELECT company, YEAR(date), SUM(total_laid_off)
FROM layoffs_staging2
WHERE total_laid_off IS NOT NULL
GROUP BY company, YEAR(date)
)
SELECT *, DENSE_RANK() OVER (PARTITION BY years ORDER BY total_laid_off DESC) AS ranking
FROM Company_Year
WHERE years IS NOT NULL
ORDER BY ranking ASC;
```

| company | years | total_laid_off | ranking |
|---|---|---|---|
| Uber | 2020 | 7525 | 1 |
| Bytedance | 2021 | 3600 | 1 |
| Meta | 2022 | 11000 | 1 |
| Google | 2023 | 12000 | 1 |
| Booking.com | 2020 | 4375 | 2 |

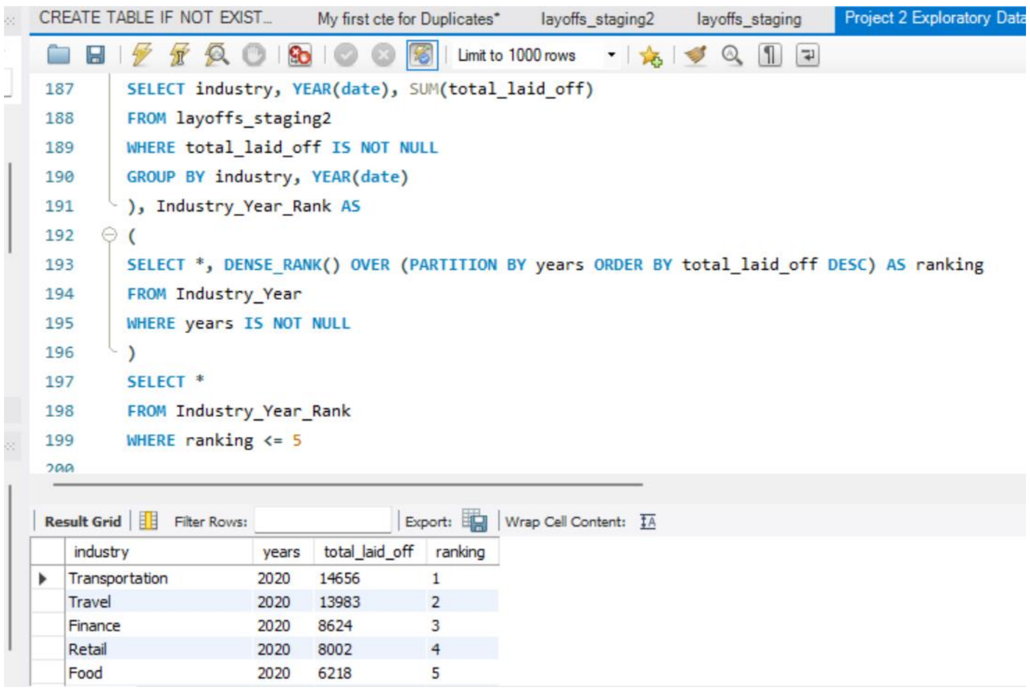
15.



```
SELECT company, YEAR(date), SUM(total_laid_off)
FROM layoffs_staging2
WHERE total_laid_off IS NOT NULL
GROUP BY company, YEAR(date)
), Company_Year_Rank AS
```

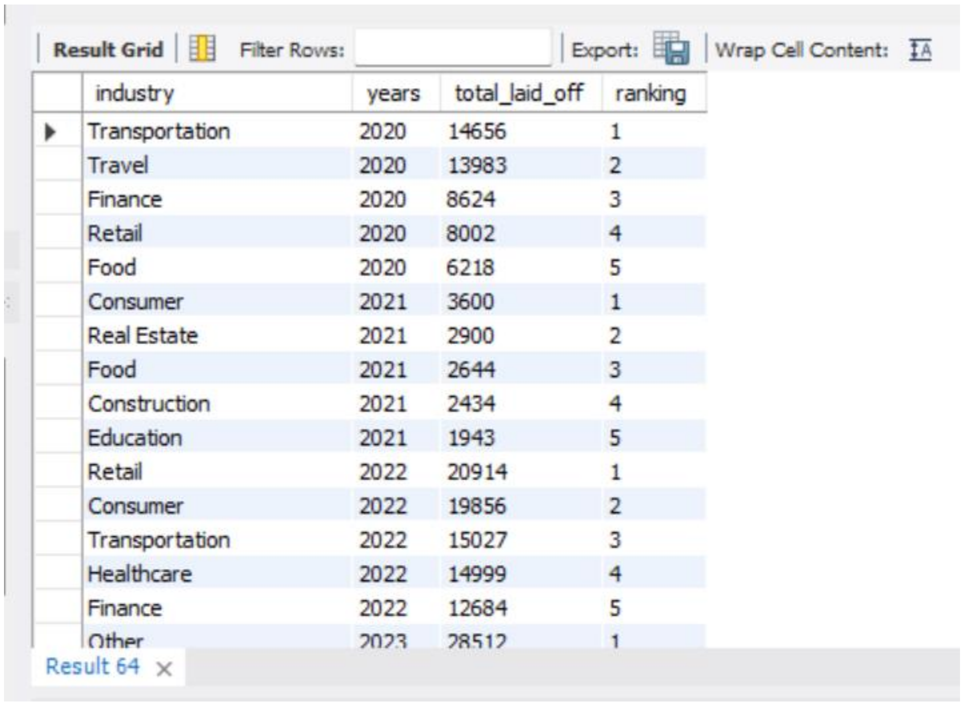
| company | years | total_laid_off | ranking |
|---|---|---|---|
| Uber | 2020 | 7525 | 1 |
| Booking.com | 2020 | 4375 | 2 |
| Groupon | 2020 | 2800 | 3 |
| Swiggy | 2020 | 2250 | 4 |
| Airbnb | 2020 | 1900 | 5 |
| Agoda | 2020 | 1500 | 6 |
| PaisaBazaar | 2020 | 1500 | 6 |
| Ola | 2020 | 1400 | 7 |
| Stitch Fix | 2020 | 1400 | 7 |
| Stone | 2020 | 1300 | 8 |
| Toast | 2020 | 1300 | 8 |
| OYO | 2020 | 1250 | 9 |
| Yelp | 2020 | 1063 | 10 |
| Bytedance | 2021 | 3600 | 1 |
| Katerra | 2021 | 2434 | 2 |
| Zillow | 2021 | 2000 | 3 |

16.


CREATE TABLE IF NOT EXIST...
My first cte for Duplicates*
layoffs_staging2
layoffs_staging
Project 2 Exploratory Data
Limit to 1000 rows

```sql
SELECT industry, YEAR(date), SUM(total_laid_off)
FROM layoffs_staging2
WHERE total_laid_off IS NOT NULL
GROUP BY industry, YEAR(date)
), Industry_Year_Rank AS
(
SELECT *, DENSE_RANK() OVER (PARTITION BY years ORDER BY total_laid_off DESC) AS ranking
FROM Industry_Year
WHERE years IS NOT NULL
)
SELECT *
FROM Industry_Year_Rank
WHERE ranking <= 5
```

| industry | years | total_laid_off | ranking |
|---|---|---|---|
| Transportation | 2020 | 14656 | 1 |
| Travel | 2020 | 13983 | 2 |
| Finance | 2020 | 8624 | 3 |
| Retail | 2020 | 8002 | 4 |
| Food | 2020 | 6218 | 5 |



| industry | years | total_laid_off | ranking |
|---|---|---|---|
| Transportation | 2020 | 14656 | 1 |
| Travel | 2020 | 13983 | 2 |
| Finance | 2020 | 8624 | 3 |
| Retail | 2020 | 8002 | 4 |
| Food | 2020 | 6218 | 5 |
| Consumer | 2021 | 3600 | 1 |
| Real Estate | 2021 | 2900 | 2 |
| Food | 2021 | 2644 | 3 |
| Construction | 2021 | 2434 | 4 |
| Education | 2021 | 1943 | 5 |
| Retail | 2022 | 20914 | 1 |
| Consumer | 2022 | 19856 | 2 |
| Transportation | 2022 | 15027 | 3 |
| Healthcare | 2022 | 14999 | 4 |
| Finance | 2022 | 12684 | 5 |
| Other | 2023 | 28512 | 1 |