WORLD COMPANIES LAYOFFS ANALYSIS

USING SQL

By- Mayuri D

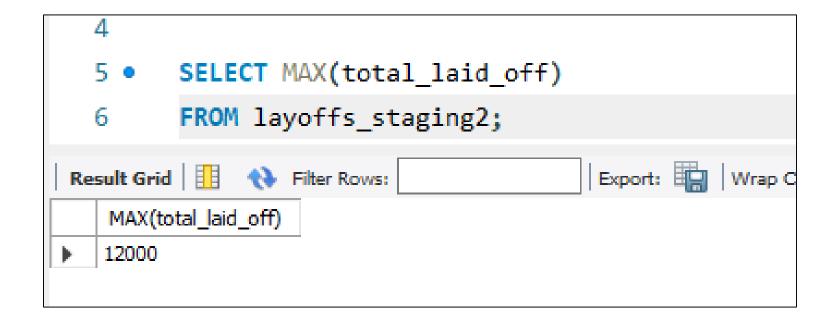
Original Dataset In Excel

	A	В	С	D	E	F	G	Н	I	J
1	company	location	industry	total_laid_off	percentage_laid_off	date	stage	country	funds_raised_millions	
2	Atlassian	Sydney	Other	500	0.05	03-06-2023	Post-IPO	Australia	210	
3	SiriusXM	New York City	Media	475	0.08	03-06-2023	Post-IPO	United States	525	
4	Alerzo	Ibadan	Retail	400	NULL	03-06-2023	Series B	Nigeria	16	
5	UpGrad	Mumbai	Education	120	NULL	03-06-2023	Unknown	India	631	
6	Loft	Sao Paulo	Real Estate	340	0.15	03-03-2023	Unknown	Brazil	788	
7	Embark Trucks	SF Bay Area	Transportation	230	0.7	03-03-2023	Post-IPO	United States	317	
8	Lendi	Sydney	Real Estate	100	NULL	03-03-2023	Unknown	Australia	59	
9	UserTesting	SF Bay Area	Marketing	63	NULL	03-03-2023	Acquired	United States	152	
10	Airbnb	SF Bay Area		30	NULL	03-03-2023	Post-IPO	United States	6400	
11	Accolade	Seattle	Healthcare	NULL	NULL	03-03-2023	Post-IPO	United States	458	
12	Indigo	Boston	Other	NULL	NULL	03-03-2023	Series F	United States.	1200	
13	Zscaler	SF Bay Area	Security	177	0.03	03-02-2023	Post-IPO	United States	148	
14	MasterClass	SF Bay Area	Education	79	NULL	03-02-2023	Series E	United States	461	
15	Ambev Tech	Blumenau	Food	50	NULL	03-02-2023	Acquired	Brazil	NULL	
16	Fittr	Pune	Fitness	30	0.11	03-02-2023	Series A	India	13	
17	CNET	SF Bay Area	Media	12	0.1	03-02-2023	Acquired	United States	20	
18	Flipkart	Bengaluru	Retail	NULL	NULL	03-02-2023	Acquired	India	12900	
19	Kandela	Los Angeles	Consumer	NULL	1	03-02-2023	Acquired	United States	NULL	
20	Truckstop.com	Boise	Logistics	NULL	NULL	03-02-2023	Acquired	United States	NULL	
21	Thoughtworks	Chicago	Other	500	0.04	03-01-2023	Post-IPO	United States	748	
22	iFood	Sao Paulo	Food	355	0.06	03-01-2023	Subsidiary	Brazil	2100	
23	Color Health	SF Bay Area	Healthcare	300	NULL	03-01-2023	Series E	United States	482	
24	Waymo	SF Bay Area	Transportation	209	0.08	03-01-2023	Subsidiary	United States	5500	
25	PayFit	Paris	HR	200	0.2	03-01-2023	Series E	France	495	
26	Yellow.ai	SF Bay Area	Support	200	NULL	03-01-2023	Series C	United States	102	
	Sonder	SF Bay Area	Travel	100	0.14	03-01-2023	Post-IPO	United States	839	

Dataset In MYSQL After Cleaning

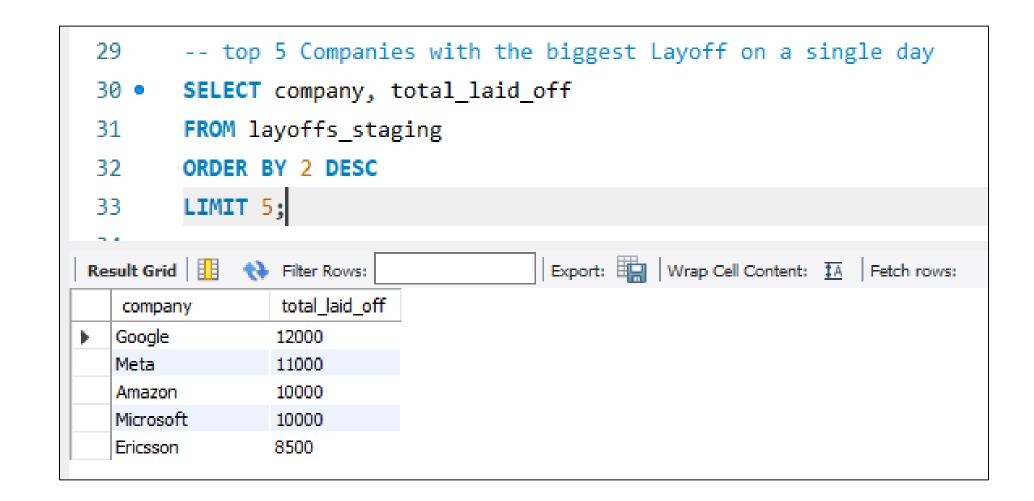
	company	location	industry	total_laid_off	percentage_laid_off	date	stage	country	funds_raised_millions
	Included Health	SF Bay Area	Healthcare	NULL	0.06	2022-07-25	Series E	United States	272
	&Open	Dublin	Marketing	9	0.09	2022-11-17	Series A	Ireland	35
	#Paid	Toronto	Marketing	19	0.17	2023-01-27	Series B	Canada	21
	100 Thieves	Los Angeles	Consumer	12	NULL	2022-07-13	Series C	United States	120
	10X Genomics	SF Bay Area	Healthcare	100	0.08	2022-08-04	Post-IPO	United States	242
	1stdibs	New York City	Retail	70	0.17	2020-04-02	Series D	United States	253
	2TM	Sao Paulo	Cryto	90	0.12	2022-06-01	Unknown	Brazil	250
	2TM	Sao Paulo	Cryto	100	0.15	2022-09-01	Unknown	Brazil	250
	2U	Washington D.C.	Education	NULL	0.2	2022-07-28	Post-IPO	United States	426
	54gene	Washington D.C.	Healthcare	95	0.3	2022-08-29	Series B	United States	44
	5B Solar	Sydney	Energy	NULL	0.25	2022-06-03	Series A	Australia	12
	6sense	SF Bay Area	Sales	150	0.1	2022-10-12	Series E	United States	426
	80 Acres Farms	Cincinnati	Food	NULL	0.1	2023-01-18	Unknown	United States	275
	8x8	SF Bay Area	Support	155	0.07	2023-01-18	Post-IPO	United States	253
	8x8	SF Bay Area	Support	200	0.09	2022-10-04	Post-IPO	United States	253
	98point6	Seattle	Healthcare	NULL	0.1	2022-07-21	Series E	United States	247
	99	Sao Paulo	Transportation	75	0.02	2022-09-20	Acquired	Brazil	244
	Abra	SF Bay Area	Cryto	12	0.05	2022-06-30	Series C	United States	106
	Absci	Vancouver	Healthcare	40	NULL	2022-08-09	Post-IPO	United States	237
	Acast	Stockholm	Media	70	0.15	2022-09-15	Post-IPO	Sweden	126
	Acko	Mumbai	Finance	45	0.09	2020-04-01	Unknown	India	143
_5	staging21 🗙								

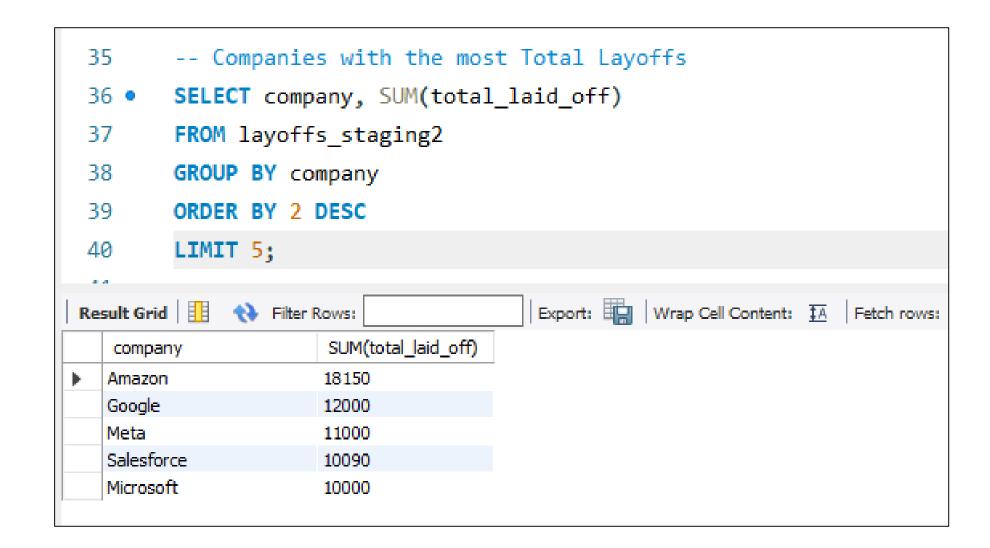
Let's Do Some Exploratory Data Analysis

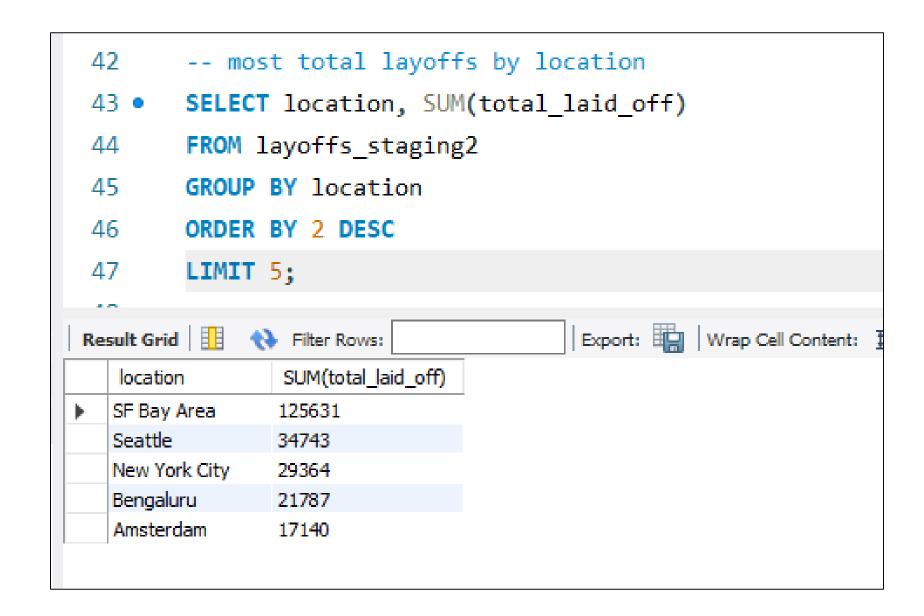


```
-- Which companies had 100 percent of the company laid off
 15
 16 •
         SELECT *
 17
          FROM layoffs staging2
 18
          WHERE percentage laid off = 1;
          -- these are mostly startups
 19
                                                Export: Wrap Cell Content: IA
Result Grid Filter Rows:
                          location
                                          industry
                                                           total_laid_off
                                                                          percentage_laid_off
                                                                                               date
                                                                                                                                                      funds_raised_millions
                                                                                                               stage
                                                                                                                                   country
   company
                                          Healthcare
   Ahead
                          SF Bay Area
                                                           44
                                                                                              2022-04-14
                                                                                                              Unknown
                                                                                                                                  United States
                                                                                                                                                      9
                                                           NULL
                                         Logistics
   Airlift
                          Lahore
                                                                                              2022-07-12
                                                                                                              Series B
                                                                                                                                  Pakistan
                                                                                                                                                     109
                                                           NULL
                                                                                                                                                     NULL
                          Jakarta
                                          Travel
                                                                                              2020-05-07
                                                                                                              Unknown
                                                                                                                                  Indonesia
   Airy Rooms
                          Seattle
                                                                                                              Series B
   Amplero
                                          Marketing
                                                                                              2020-03-29
                                                                                                                                  United States
                                                                                                                                                     25
                                                           17
                                                           NULL
   Arch Oncology
                          Brisbane
                                          Healthcare
                                                                                                              Series C
                                                                                                                                  United States
                                                                                                                                                     155
                                                                                               2023-01-13
                                                           NULL
                          Salt Lake City
                                                                                              2022-11-23
                                                                                                              Seed
                                                                                                                                  United States
                                                                                                                                                      2
   Assure
                                          Finance
                          Seattle
                                          Infrastructure
                                                           6
                                                                                              2020-04-10
                                                                                                              Unknown
                                                                                                                                  United States
                                                                                                                                                      1
   Atsu
                                                           NULL
   Aura Financial
                          SF Bay Area
                                          Finance
                                                                                              2021-01-11
                                                                                                              Unknown
                                                                                                                                  United States
                                                                                                                                                     584
                                                           NULL
   Automatic
                          SF Bay Area
                                          Transportation
                                                                                              2020-05-01
                                                                                                              Acquired
                                                                                                                                  United States
                                                                                                                                                     24
                                                           NULL
                          Dubai
                                          Retail
                                                                                              2020-09-02
                                                                                                              Series A
                                                                                                                                  United Arab Emirates
   Awok
                          Tel Aviv
   BeyondMinds
                                                           65
                                                                                              2022-05-23
                                                                                                              Series A
                                                                                                                                                     16
                                          Data
                                                                                                                                  Israel
                                                           NULL
                                                                                                                                                     NULL
  Bitfront
                                                                                              2022-11-29
                                                                                                              Unknown
                                                                                                                                  United States
                          SF Bay Area
                                          Cryto
lavoffs staging2 14 x
```

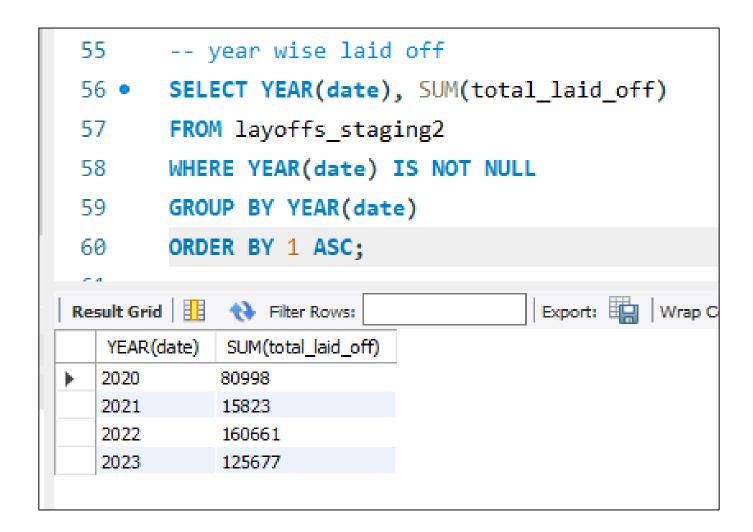
21 -- if order by funds raised millions we can see how big some of these companies were 22 • SELECT * FROM layoffs staging2 23 24 WHERE percentage laid off = 1 ORDER BY funds_raised_millions DESC; 25 Export: Wrap Cell Content: IA Result Grid Filter Rows: funds_raised_millions total_laid_off percentage_laid_off date location industry stage country company Britishvolt London Unknown Transportation 206 2023-01-17 United Kingdom 2400 NULL Quibi Los Angeles Media 2020-10-21 Private Equity United States 1800 120 Deliveroo Australia Melbourne Food 2022-11-15 Post-IPO Australia 1700 SF Bay Area 2434 2021-06-01 Unknown United States 1600 Katerra Construction NULL 2022-11-28 Series E United States 1000 BlockFi New York City Cryto NULL SF Bay Area 2021-01-11 Unknown United States 584 Aura Financial Finance 83 Australia Openpay Melbourne Finance 2023-02-07 Post-IPO 299 NULL London Pollen Marketing 2022-08-10 Series C United Kingdom 238 Simple Feast Copenhagen Food 150 2022-09-07 Unknown Denmark 173 NULL Arch Oncology Brisbane Healthcare 2023-01-13 Series C United States 155 NULL United States Motif Investing SF Bay Area Finance 2020-04-18 Series E 126 NULL CommonBond New York City 2022-09-09 Series D United States 125 Finance







```
-- total laid off by industry
49
        SELECT industry, SUM(total_laid_off)
50 •
51
        FROM layoffs_staging2
        GROUP BY industry
52
        ORDER BY 2 DESC;
53
Export: Wrap C
                SUM(total_laid_off)
  industry
  Consumer
                45182
  Retail
                43613
  Other
                36289
  Transportation
                33748
  Finance
                28344
  Healthcare
                25953
  Food
                22855
  Real Estate
                17565
                17159
  Travel
  Hardware
                13828
  Education
                13338
  Sales
                13216
```



```
-- total laid off of top 3 companies by year wise
62
       WITH Company Year AS
63 •
64
65
         SELECT company, YEAR(date) AS years, SUM(total_laid_off) AS total_laid_off
66
         FROM layoffs staging2
67
         GROUP BY company, YEAR(date)
68
        Company Year Rank AS (
69
70
         SELECT company, years, total laid off, DENSE_RANK() OVER (PARTITION BY years ORDER BY total laid off DESC) AS ranking
71
         FROM Company Year
72
73
       SELECT company, years, total_laid_off, ranking
74
       FROM Company_Year_Rank
75
       WHERE ranking <= 3
76
       AND years IS NOT NULL
77
       ORDER BY years ASC, total_laid_off DESC;
```

Re	esult Grid 🔠 Filter Rows:		Exp	port:	Wrap Cell Cor
	company	years	total_laid_off	ranking	
•	Uber	2020	7525	1	-
	Booking.com	2020	4375	2	
	Groupon	2020	2800	3	
	Bytedance	2021	3600	1	
	Katerra	2021	2434	2	
	Zillow	2021	2000	3	
	Meta	2022	11000	1	
	Amazon	2022	10150	2	
	Cisco	2022	4100	3	
	Google	2023	12000	1	
	Microsoft	2023	10000	2	
	Ericsson	2023	8500	3	

```
-- Rolling Total of Layoffs Per Month
79
80 •
      WITH DATE_CTE AS
81 ⊝ (
82
      SELECT SUBSTRING(date,1,7) as dates, SUM(total_laid_off) AS total_laid_off
      FROM layoffs_staging2
83
      GROUP BY dates
84
      ORDER BY dates ASC
85
86
87
      SELECT dates, SUM(total_laid_off) OVER (ORDER BY dates ASC) as rolling_total_layoffs
88
      FROM DATE_CTE
      ORDER BY dates ASC;
89
90
```

	dates	rolling_total_layoffs
•	NULL	500
	2020-03	10128
	2020-04	36838
	2020-05	62642
	2020-06	70269
	2020-07	77381
	2020-08	79350
	2020-09	79959
	2020-10	80409
	2020-11	80646
	2020-12	81498
	2021-01	88311
	2021-02	89179
	2021-03	89226
	2021-04	89487
	2021-06	91921
	2021-07	92001
	2021-08	93868
	2021-09	94029
	2021-10	94051
	2021-11	96121
Dag	eult 23 🗸	

da	ates	rolling_total_layoffs
20	21-08	93868
20	21-09	94029
20	21-10	94051
20	21-11	96121
20	21-12	97321
20	22-01	97831
20	22-02	101516
20	22-03	107230
20	22-04	111358
20	22-05	124243
20	22-06	141637
20	22-07	157860
20	22-08	170915
20	22-09	176796
20	22-10	194202
20	22-11	247653
20	22-12	257982
20	23-01	342696
20	23-02	379189
20	23-03	383659

THANK YOU