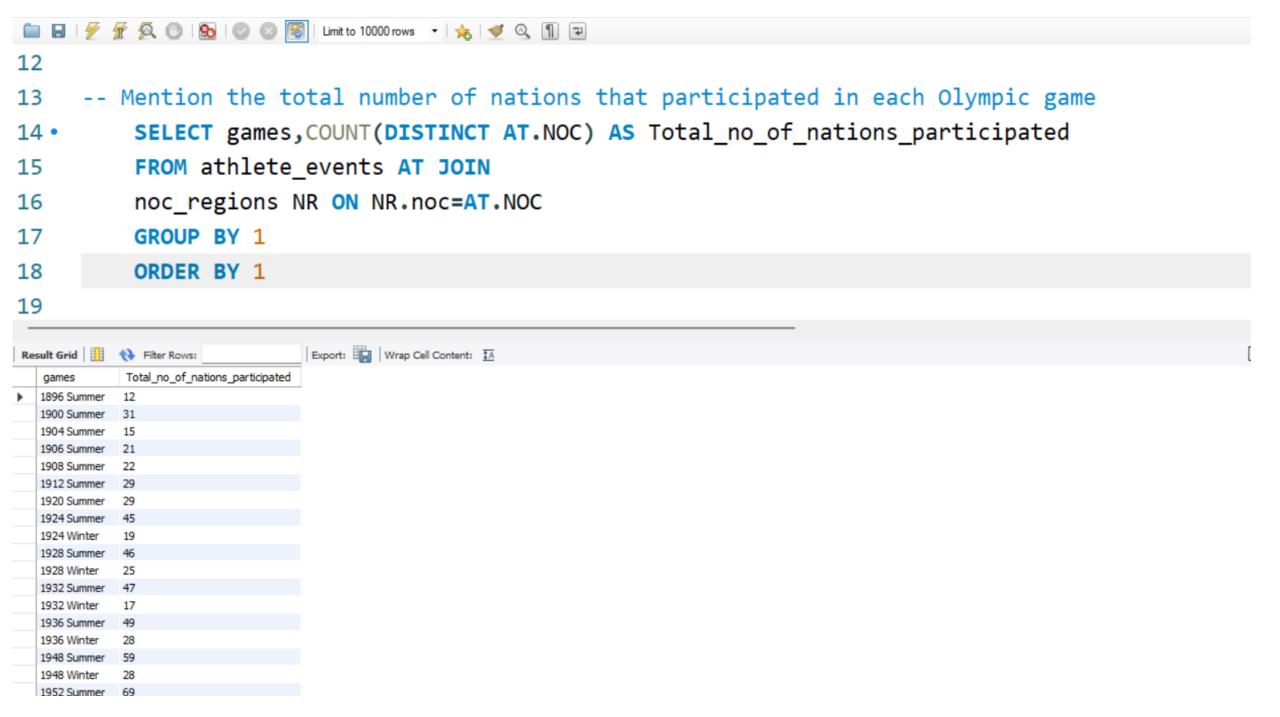
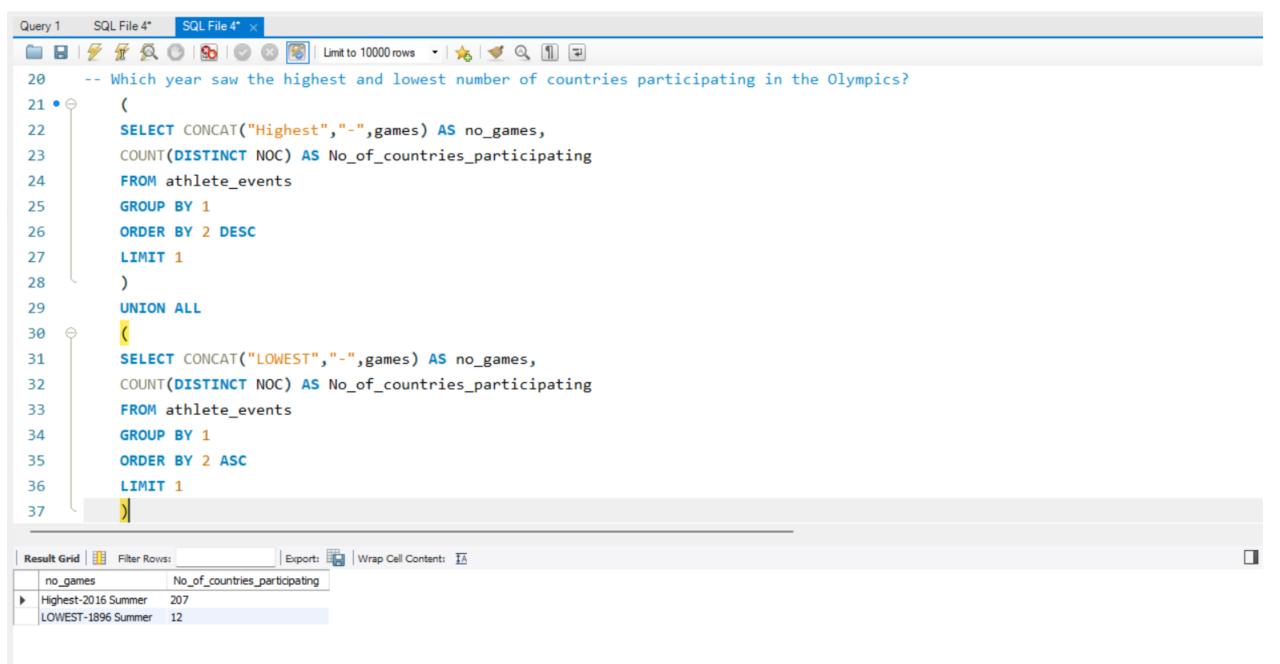
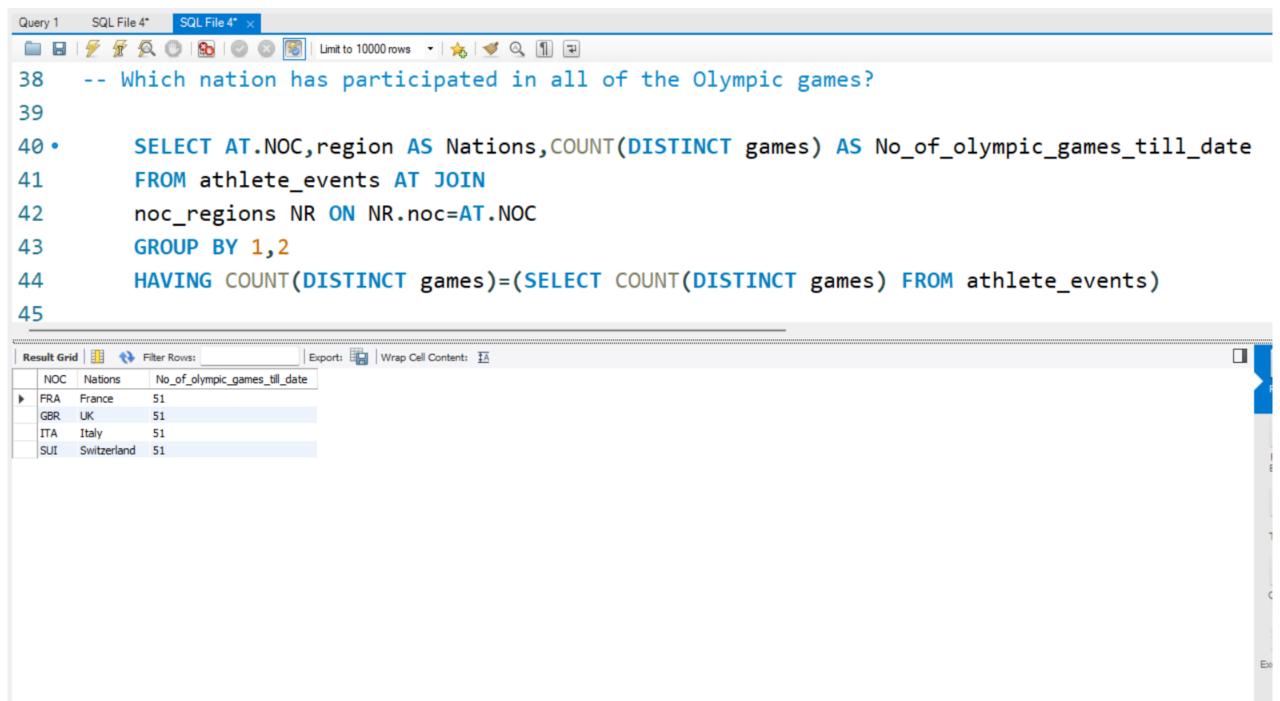
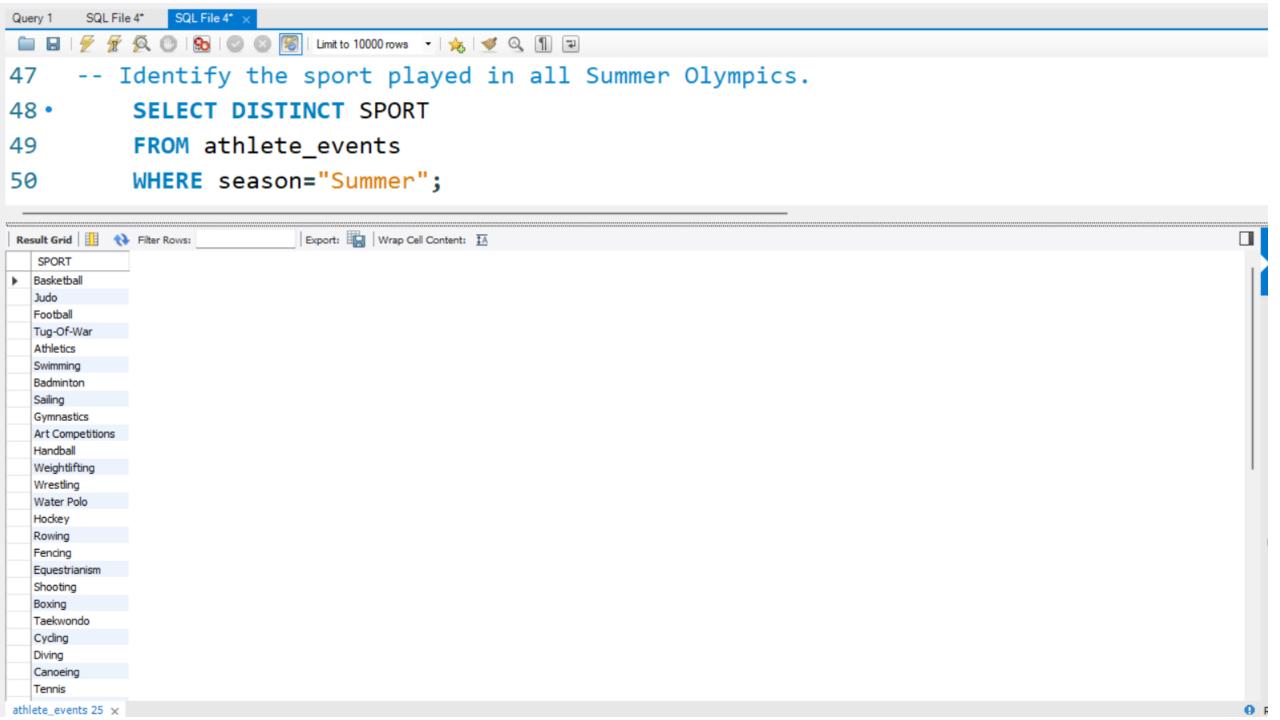


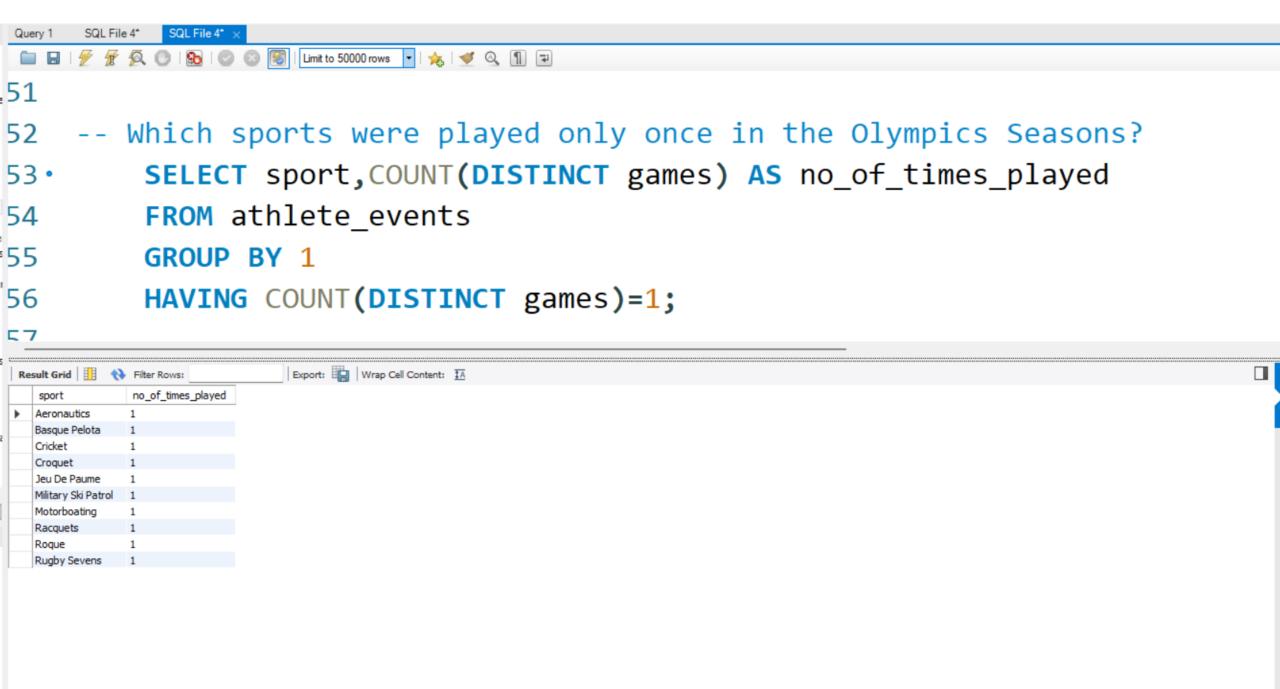
Export: Wrap Cell Content: TA ♦ Filter Rows: Result Grid games season city 1896 Summer Athina Summer Paris 1900 Summer Summer 1904 Summer Summer St. Louis Athina 1906 Summer Summer 1908 Summer London Summer 1912 Summer Stockholm Summer 1920 Summer Summer Antwerpen 1924 Summer Summer Paris 1924 Winter Winter Chamonix Amsterdam 1928 Summer Summer 1928 Winter Sankt Moritz Winter Los Angeles 1932 Summer Summer 1932 Winter Winter Lake Placid 1936 Summer Summer Berlin Garmisch-Partenkirchen 1936 Winter Winter London 1948 Summer Summer 1948 Winter Winter Sankt Moritz 1952 Summer Summer Helsinki 1952 Winter Oslo Winter Melbourne 1956 Summer Summer Stockholm 1956 Summer Summer Cortina d'Ampezzo 1956 Winter 1960 Summer Roma Summer athlete events 2 x

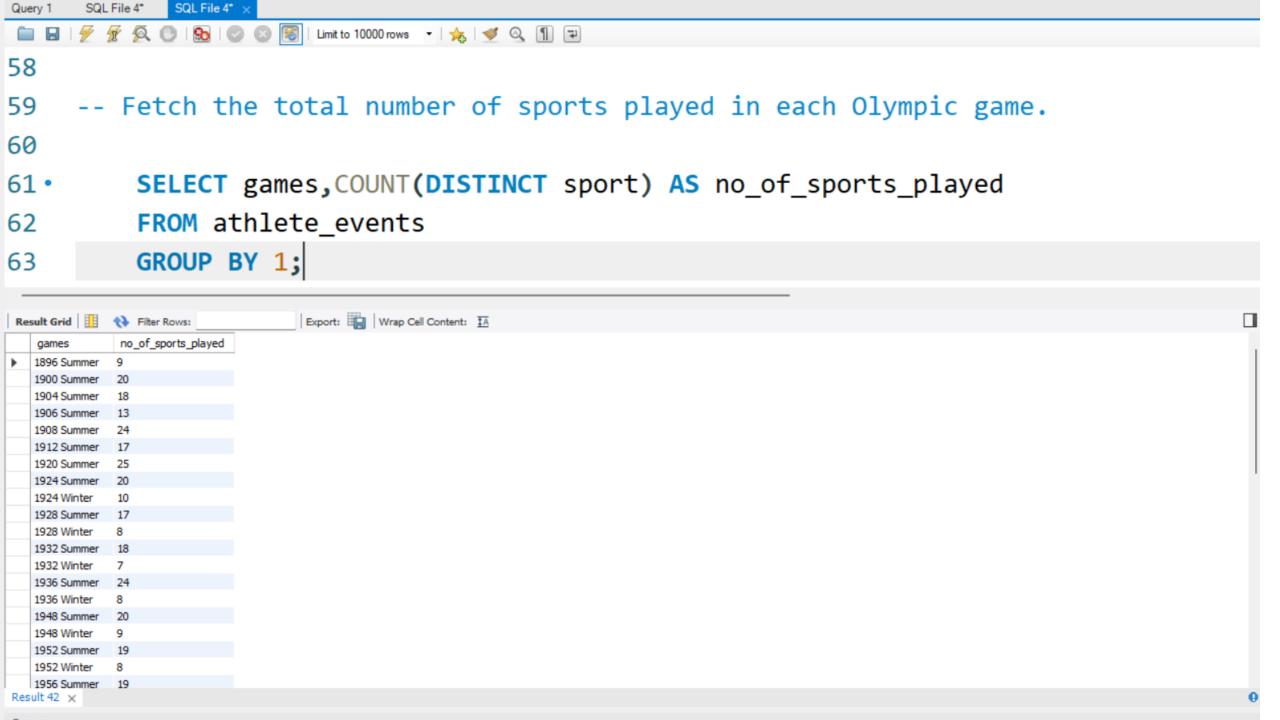


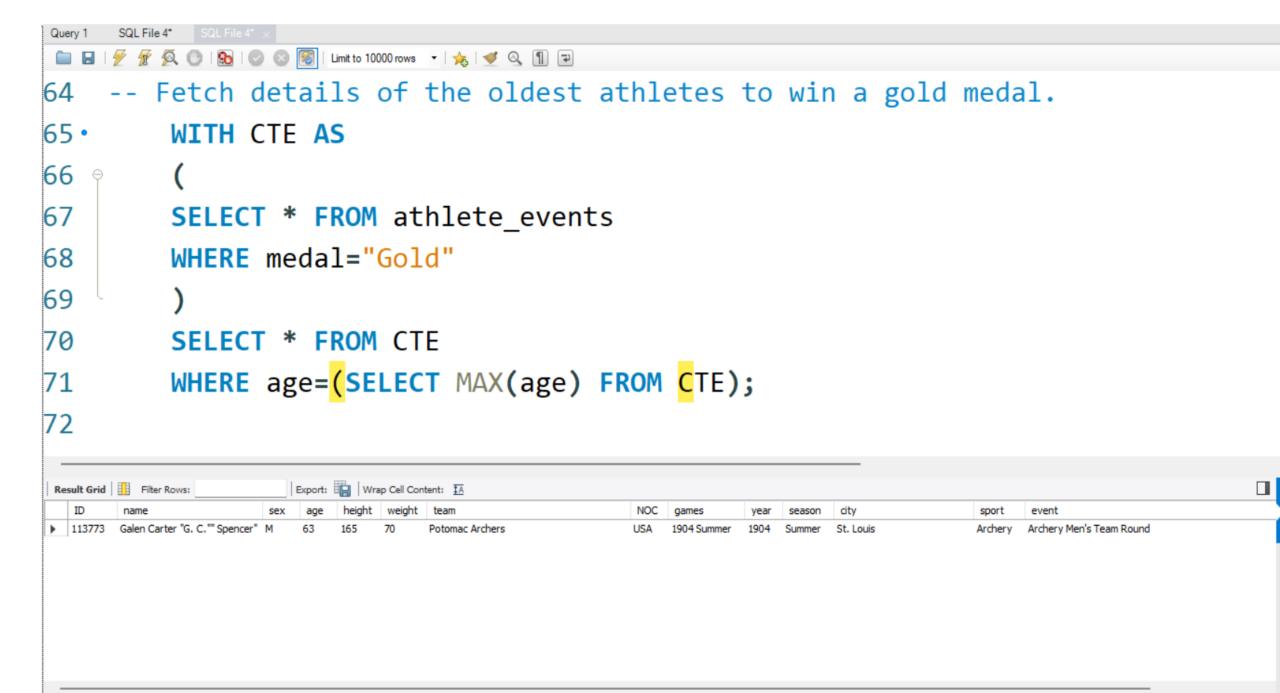




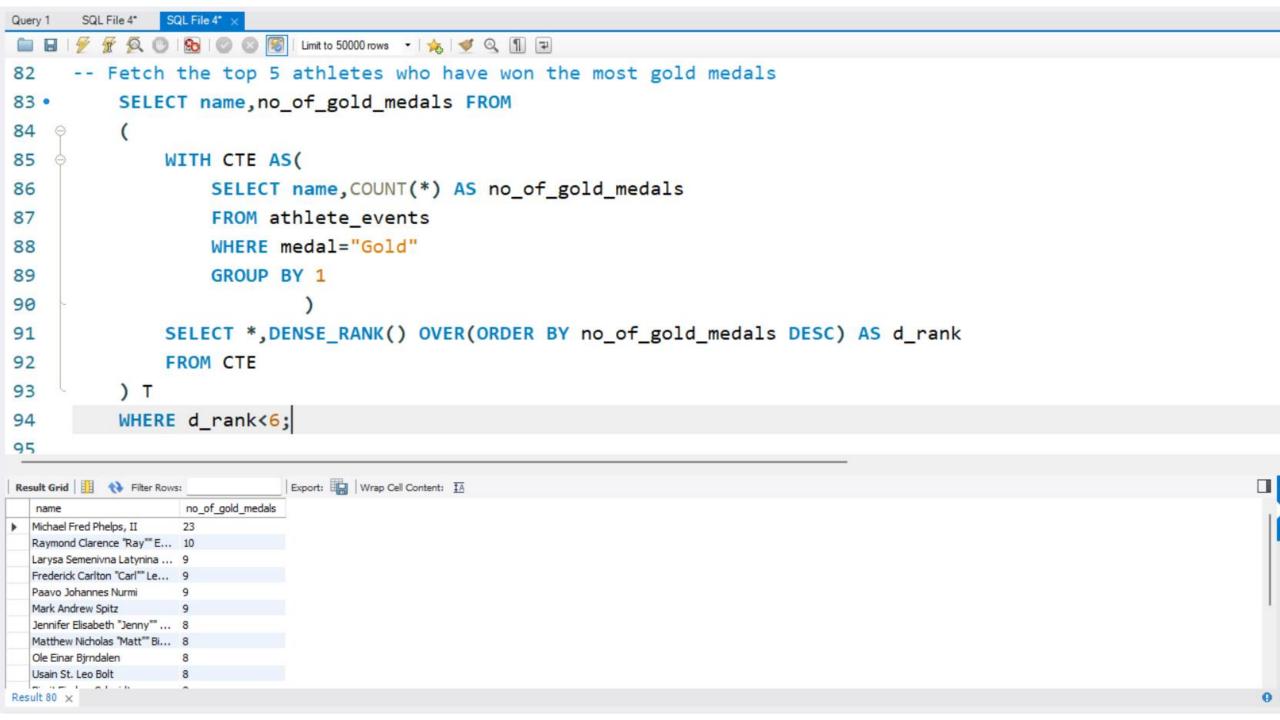


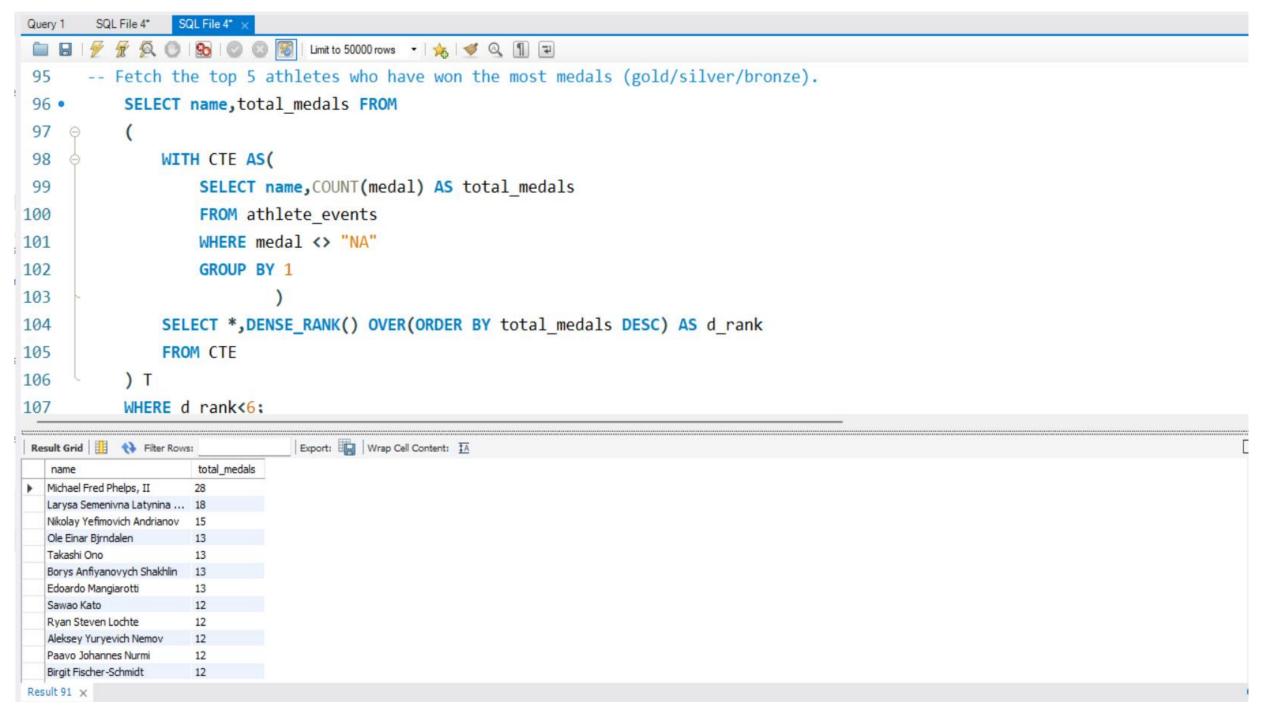




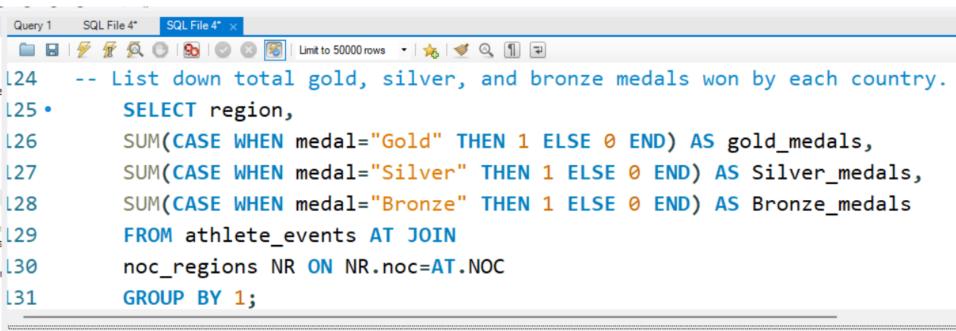


```
SQL File 4*
              SQL File 4*
Query 1
                          -- Find the ratio of male and female athletes participating in all Olympic games.
71
72 •
        SELECT
73
        CONCAT
74
75
             ":",
76
77
              ROUND (
              (SELECT COUNT(sex) FROM athlete_events WHERE sex="F")/
78
              (SELECT COUNT(sex) FROM athlete_events WHERE sex="M")
79
80
                    ),2
          ) AS Ratio_of_male_to_female;
81
                         Export: Wrap Cell Content: IA
Result Grid Filter Rows:
  Ratio_of_male_to_female
1:02
```

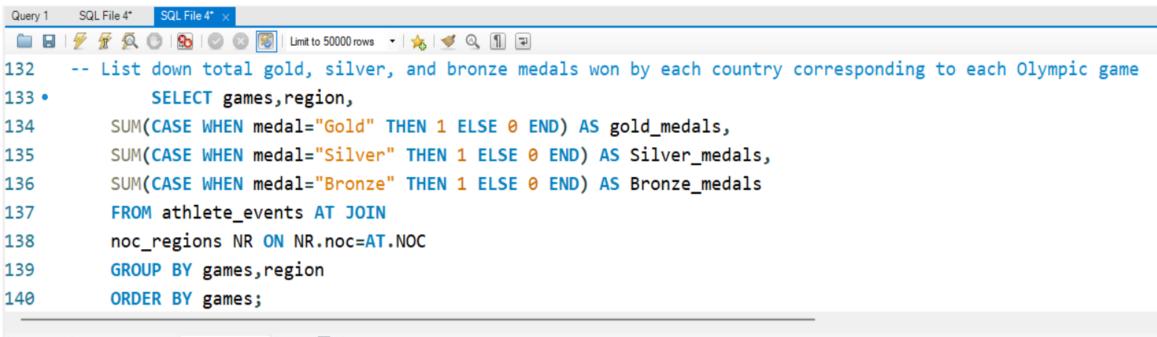




```
SQL File 4*
Query 1
             Fetch the top 5 most successful countries in the Olympics based on the number of medals won.
108
109 •
                SELECT region,total_medals
110
                FROM
111 ⊝
112
                WITH CTE AS(
113
                SELECT region, COUNT(medal) AS total_medals
114
                FROM athlete_events AT JOIN
115
                noc_regions NR ON NR.noc=AT.NOC
                WHERE medal <>"NA"
116
117
                GROUP BY 1
118
119
                SELECT *,DENSE_RANK() OVER(ORDER BY total_medals DESC) AS d_rank
120
                FROM CTE
                ) T
121
122
                WHERE d_rank <6;
 Result Grid
                             Export: Wrap Cell Content: TA
          Filter Rows:
               total_medals
   region
  USA
              5437
   Russia
              3945
              3752
   Germany
               2066
               1777
   France
```



Res	sult Grid	N Filter Rows:		Export: W
	region			Bronze_medals
•	China	351	349	293
	Denmark	179	241	177
	Netherlands	280	336	412
	USA	2535	1596	1306
	Finland	198	270	432
	Norway	378	361	294
	Romania	161	200	292
	Estonia	13	12	25
	France	501	610	666
	Morocco	6	5	12
	Spain	110	243	136
	Egypt	7	8	12
	Iran	18	21	29
	Bulgaria	54	144	144
	Italy	575	531	531
	Chad	0	0	0
	Azerbaijan	7	12	25
	Sudan	0	1	0
	Russia	1597	1170	1178
Dec	nlt 101 💟			

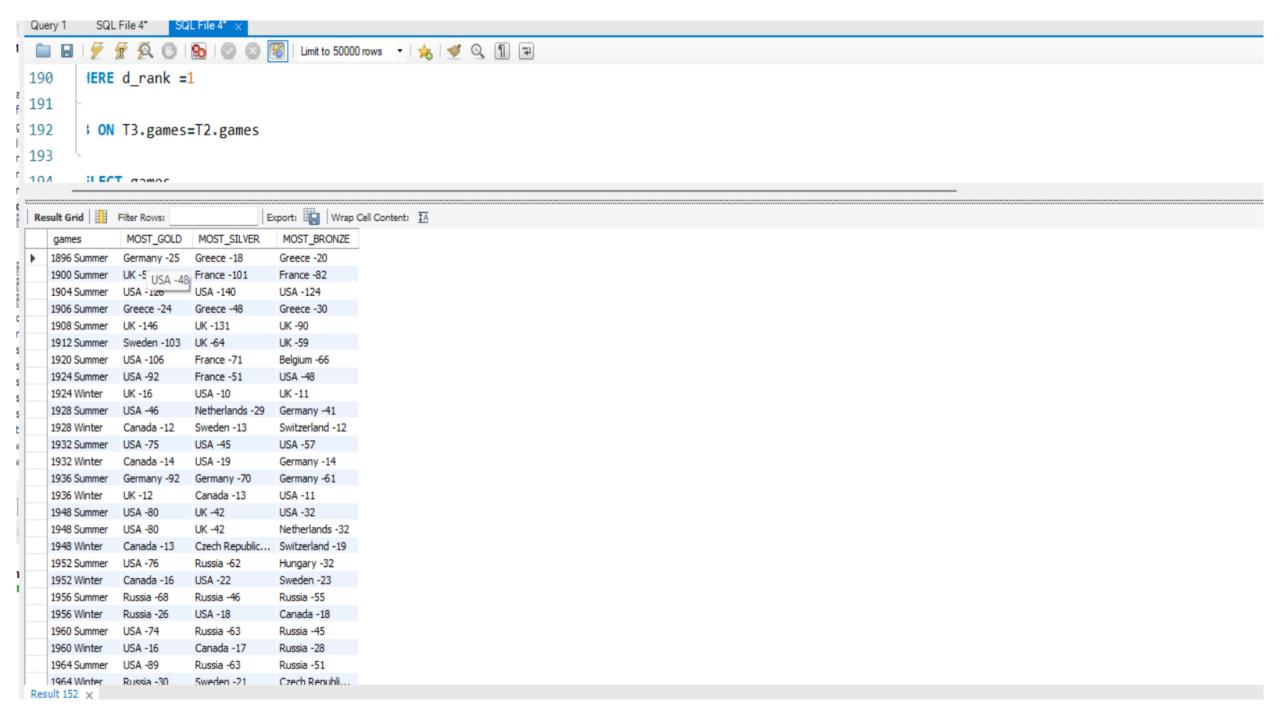


Re	sult Grid	Name of the Filter Rows:	E	xport: Wr	ap Cell Content: ‡A
	games	region	gold_medals	Silver_medals	Bronze_medals
١	1896 Summer	Australia	2	0	1
	1896 Summer	Austria	2	1	2
	1896 Summer	Denmark	1	2	3
	1896 Summer	France	5	4	2
	1896 Summer	Germany	25	5	2
	1896 Summer	Greece	10	18	20
	1896 Summer	Hungary	2	1	3
	1896 Summer	Italy	0	0	0
	1896 Summer	Sweden	0	0	0
	1896 Summer	Switzerland	1	2	0
	1896 Summer	UK	3	3	3
	1896 Summer	USA	11	7	2
	1900 Summer	Argentina	0	0	0
	1900 Summer	Australia	3	0	3
	1900 Summer	Austria	0	3	3
	1900 Summer	Belgium	6	24	13
	1900 Summer	Brazil	0	0	0
	1900 Summer	Canada	1	0	1
	1900 Summer	Colombia	0	1	0

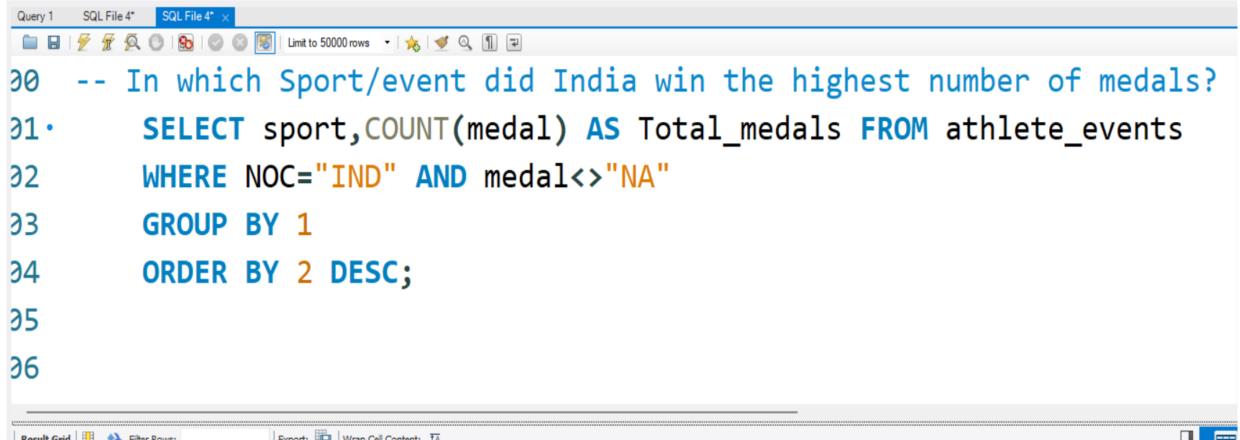
```
SQL File 4*
                 SQL File 4" ×
Query 1
                      | 🕝 🔕 🔞 | Limit to 50000 rows 🔻 埃 | 🥩 🔍 👖 🖘
       -- Identify which country won the most gold, silver, and bronze medals in each Olympic game.
141
142 • ⊖
           WITH CTE AS(
143
           SELECT T1.games, T1.region AS R1, T1.Gold_medals AS most_Golds,
144
                   T2.region AS R2, T2. Silver_medals AS most_Silvers, T3.region AS R3,
                   T3.Bronze_medals AS most_Bronzes
145
146
           FROM
147
148
           SELECT games, region, gold_medals
149
           FROM(
150
           WITH CTE AS (
151
           SELECT games,region,COUNT(medal) AS gold_medals
           FROM athlete events AT JOIN
152
           noc_regions NR ON NR.noc=AT.NOC
153
154
           WHERE medal ="Gold"
155
           GROUP BY 1,2
156
```

```
SQL File 4*
       SQL File 4*
 SELECT *, DENSE_RANK() OVER( PARTITION BY games ORDER BY gold_medals DESC) AS d_rank
  FROM CTE
  ) a
  WHERE d_rank =1
  ) T1 JOIN
  SELECT games,region,silver_medals
  FROM(
  WITH CTE AS (
  SELECT games,region,COUNT(medal) AS silver_medals
  FROM athlete_events AT JOIN
  noc_regions NR ON NR.noc=AT.NOC
  WHERE medal ="Silver"
  GROUP BY 1,2
```

```
SQL File 4*
                SQL File 4* ×
Query 1
          171
          SELECT *, DENSE_RANK() OVER( PARTITION BY games ORDER BY Silver_medals DESC) AS d_rank
172
          FROM CTE
173
174
          ) a
175
          WHERE d rank =1
176
          ) T2 ON T1.games = T2.games JOIN
177
178
          SELECT games, region, Bronze_medals
179
          FROM(
190
          WHERE d_rank =1
191
          T3 ON T3.games=T2.games
192
193
194
          SELECT games,
                  CONCAT(R1, ' ', '-', CAST(most_Golds AS CHAR)) MOST_GOLD,
195
                  CONCAT(R2, ' ', '-', CAST(most_Silvers AS CHAR)) MOST_SILVER,
196
                  CONCAT(R3,' ','-',CAST(most_Bronzes AS CHAR)) MOST_BRONZE
197
198
          FROM CTE;
```



```
SQL File 4*
             SQL File 4*
     Which countries have never won a gold medal but have won silver/bronze medals?
91
     SELECT region FROM noc_regions
     WHERE noc IN (
93
94
                     SELECT DISTINCT NOC FROM athlete_events
                     WHERE NOC NOT IN (SELECT DISTINCT NOC FROM athlete_events
95
                                           WHERE medal = "Gold" )
96
97
                     AND
                     medal <> "NA"
98
                     );
99
Export: Wrap Cell Content: TA
  region
 Afghanistan
 Curacao
 Barbados
 Bermuda
 Czech Republic
 Botswana
 Cyprus
 Djibouti
 Eritrea
 Gabon
 Ghana
 Guatemala
 Guyana
noc_regions 135 x
```





```
SQL File 4* ×
Query 1
-- List down the percentage contribution in medals in INDIA due to sport HOCKEY in each Olympic game.
213
         WITH CTE AS
214 •
215 ⊝
216
         SELECT games,
217
         SUM(CASE WHEN sport="Hockey" THEN 1 ELSE 0 END) AS Hockey_medals,
218
         COUNT(medal) AS Total_medals
219
         FROM athlete_events
220
         WHERE NOC="IND" AND medal <> "NA"
221
         GROUP BY 1
222
         ORDER BY 1
223
224
      SELECT *,ROUND(Hockey_medals*100/Total_medals,1) AS pct_contribution
225
      FROM CTE;
```

	Result Grid	Filter Rows:		Export: Wrap
	games	Hockey_medals	Total_medals	pct_contribution
	1952 Summer	14	15	93.3
	1956 Summer	17	17	100.0
	1960 Summer	13	13	100.0
	1964 Summer	15	15	100.0
L	1968 Summer	16	16	100.0
	1972 Summer	14	14	100.0
	1980 Summer	16	16	100.0
	1996 Summer	0	1	0.0
	2000 Summer	0	1	0.0
	2004 Summer	0	1	0.0
	2008 Summer	0	3	0.0
	2012 Summer	0	6	0.0
	2016 Summer	n	2	0.0
F	esult 153 ×			

