

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Object Info Session

Olympic_data

```

1 CREATE DATABASE olympic_data;
2 USE olympic_data;
3 CREATE TABLE olympic_history
4 (
5   ID INT,
6   Name Varchar(255), Sex Varchar(255), Age Varchar(255),
7   Height Varchar(255), Weight Varchar(255), Team Varchar(255), Noc Varchar(255), Games Varchar(255), Year INT, Season Varchar(255),
8   City Varchar(255), Sport Varchar(255), Event Varchar(255), Medal Varchar(255)
9 );
10 /*Selecting all data from olympic_history table*/
11 SELECT * FROM olympic_history;

```

Result Grid

ID	Name	Sex	Age	Height	Weight	Team	Noc	Games	Year	Season	City	Sport	Event	Medal
----	------	-----	-----	--------	--------	------	-----	-------	------	--------	------	-------	-------	-------

olympic_history 89

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:14:45	CREATE DATABASE olympic_data	1 row(s) affected	0.016 sec
2	01:15:09	USE olympic_data	0 row(s) affected	0.000 sec
3	01:15:17	CREATE TABLE olympic_history (ID INT, Name Varchar(255), Sex Varchar(255), Ag...	0 row(s) affected	0.078 sec
4	01:15:52	SELECT * FROM olympic_history	0 row(s) returned	0.000 sec / 0.000 sec

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Object Info Session

Olympic_data

```

14
15 /* Loading data from secure file path*/
16 LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/athlete_events.csv'
17 INTO TABLE olympic_history
18 FIELDS TERMINATED BY ','
19 ENCLOSED BY '"'
20 LINES TERMINATED BY '\n'
21 IGNORE 1 ROWS
22 (ID, Name, Sex, Age, Height, Weight, Team, NOC, Games, Year, Season, City, Sport, Event, Medal);
23
24 SELECT * FROM olympic_history;

```

Result Grid

ID	Name	Sex	Age	Height	Weight	Team	Noc	Games	Year	Season	City	Sport	Event	Medal
1	A Djiang	M	24	180	80	China CHN	1992 Summer	1992	Summer	Barcelona	Basket...	Basketball Men's Basketball		
2	A Lamusi	M	23	170	60	China CHN	2012 Summer	2012	Summer	London	Judo	Judo Men's Extra-Lightweight		
3	Gunnar Nielsen Aabye	M	24	NA	NA	Denmark DEN	1920 Summer	1920	Summer	Antwerpen	Football	Football Men's Football		
4	Edgar Lindenau Aabye	M	34	NA	NA	Denmark DEN	1900 Summer	1900	Summer	Paris	Tug-Of-War	Tug-Of-War Men's Tug-Of-War		

olympic_history 90

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	01:19:02	LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/athlete_event...	271116 row(s) affected Records: 271116 Deleted: 0 Skipped: 0 Warnings: 0	5.641 sec
6	01:19:18	SELECT * FROM olympic_history	271116 row(s) returned	0.000 sec / 0.813 sec

Navigator: Olympic_data

SCHMAS: Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration: Schemas

Information: No object selected

```

27 /*Duplicate records*/
28 CREATE TABLE new_table LIKE olympic_history; /*Creating table having same structure of olympic_history's Columns */
29
30 INSERT INTO new_table /*Inserting rows into new_table*/
31 SELECT DISTINCT * FROM olympic_history /*Selecting unique rows*/
32 GROUP BY Name ,Sex, Age, Height, Weight,Team,Noc, Games, Year,Season, City, Sport, Event, Medal;
33
34 DROP TABLE olympic_history;
35 ALTER TABLE new_table RENAME TO olympic_history;
36 SELECT * FROM olympic_history;

```

Result Grid: Filter Rows: Exports: Wrap Cell Content: Fetch rows:

ID	Name	Sex	Age	Height	Weight	Team	Noc	Games	Year	Season	City	Sport	Event
1	A Djang	M	24	180	80	China	CHN	1992 Summer	1992	Summer	Barcelona	Basket...	Basketball Men's Basketball
2	A Lamusi	M	23	170	60	China	CHN	2012 Summer	2012	Summer	London	Judo	Judo Men's Extra-Lightweight
3	Gunnar Nielsen Aabye	M	24	NA	NA	Denmark	DEN	1920 Summer	1920	Summer	Antwerpen	Football	Football Men's Football
4	Edgar Lindenau Aabye	M	34	NA	NA	Denma...	DEN	1900 Summer	1900	Summer	Paris	Tug-Of...	Tug-Of-War Men's Tug-Of-War
5	Christine Jacobsa Aa...	F	21	185	82	Nether...	NED	1988 Winter	1988	Winter	Calgary	Speed ...	Speed Skating Women's 500 metres
5	Christine Jacobsa Aa...	F	21	185	82	Nether...	NED	1988 Winter	1988	Winter	Calgary	Speed ...	Speed Skating Women's 1,000 metres

olympic_history 91 x

Output: Action Output

#	Time	Action	Message	Duration / Fetch
10	01:23:12	ALTER TABLE new_table RENAME TO olympic_history	0 row(s) affected	0.046 sec
11	01:25:49	SELECT * FROM olympic_history	269731 row(s) returned	0.016 sec / 0.844 sec

Object Info: Session

File Edit View Query Database Server Tools Scripting Help

Navigator: Olympic_data

SCHMAS: Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration: Schemas

Information: No object selected

```

43 /*
44 /* Recent & Old Olympic data */
45
46 SELECT MAX(Year) AS Recent_yr, MIN(Year) AS Start_yr
47 FROM olympic_history;
48
49
50
51
52
53

```

Result Grid: Filter Rows: Exports: Wrap Cell Content: Fetch rows:

Recent_yr	Start_yr
2016	1896

Result 93 x

Output: Action Output

#	Time	Action	Message	Duration / Fetch
12	01:29:57	SELECT COUNT(*) AS Total_rows FROM olympic_history	1 row(s) returned	0.375 sec / 0.000 sec
13	01:32:36	SELECT MAX(Year) AS Recent_yr, MIN(Year) AS Start_yr FROM olympic_history	1 row(s) returned	0.390 sec / 0.000 sec

Object Info: Session

Navigator: **Olympic_data**

SCHMAS: Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data**
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information: No object selected

Result Grid: Filter Rows: Exports: Wrap Cell Contents:

	Total_Olympic_Games
51	

Result 94 x Read Only

Output: Action Output

#	Time	Action	Message	Duration / Fetch
13	01:32:36	SELECT MAX(Year) AS Recent_yr, MIN(Year) AS Start_yr FROM olympic_history	1 row(s) returned	0.390 sec / 0.000 sec
14	01:33:23	WITH tab1 AS (SELECT DISTINCT (Season), Year FROM olympic_history ORDER BY Year)	1 row(s) returned	0.500 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator: **Olympic_data**

SCHMAS: Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data**
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information: No object selected

Result Grid: Filter Rows: Exports: Wrap Cell Contents:

	Total_Summer_Olympics	Total_Winter_Olympics	Total_Olympic_games
29	22	51	

Result 95 x Read Only

Output: Action Output

#	Time	Action	Message	Duration / Fetch
14	01:33:23	WITH tab1 AS (SELECT DISTINCT (Season), Year FROM olympic_history ORDER BY Year)	1 row(s) returned	0.500 sec / 0.000 sec
15	01:34:11	SELECT (SELECT COUNT(DISTINCT Games) FROM olympic_history WHERE Season='Summer') AS Total_Summer_Olympics,	1 row(s) returned	1.516 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Result Grid

Filter Rows: Exports Wrap Cell Contents Fetch rows

Name	Noc	Participation_count
Heikki Ilmari Savolainen	FIN	39
Joseph "Josy" Stoffel	LUX	38
Ioannis Theofilakis	GRE	36
Takashi Ono	JPN	33
Alexandros Theofilakis	GRE	32

Result 96

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	01:34:11	SELECT (SELECT COUNT(DISTINCT Games) FROM olympic_history WHERE Season=...	1 row(s) returned	1.516 sec / 0.000 sec
16	01:37:22	SELECT DISTINCT(Name), Noc,COUNT(Name) AS Participation_count FROM olympic_his...	134731 row(s) returned	0.859 sec / 0.172 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Result Grid

Filter Rows: Exports Wrap Cell Contents

Games	Total_countries_participation
1896 Summer	12
1900 Summer	31
1904 Summer	15
1906 Summer	21
1908 Summer	22

Result 97

Output

Action Output

#	Time	Action	Message	Duration / Fetch
16	01:37:22	SELECT DISTINCT(Name), Noc,COUNT(Name) AS Participation_count FROM olympic_his...	134731 row(s) returned	0.859 sec / 0.172 sec
17	01:38:54	SELECT DISTINCT(Games),COUNT(DISTINCT(Noc)) AS Total_countries_participation FR...	51 row(s) returned	0.719 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Result Grid

Games	Num_of_countries
2016 Summer	207
1896 Summer	12

Result 98

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	01:38:54	SELECT DISTINCT(Games),COUNT(DISTINCT(Noc)) AS Total_countries_participation FR...	51 row(s) returned	0.719 sec / 0.000 sec
18	01:39:42	WITH tab AS (SELECT DISTINCT(Games),COUNT(DISTINCT(NOC)) AS Num_of_countri...	2 row(s) returned	0.734 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Result Grid

NOC	participation_number
FRA	51
GBR	51
ITA	51
SUI	51

Result 99

Output

Action Output

#	Time	Action	Message	Duration / Fetch
18	01:39:42	WITH tab AS (SELECT DISTINCT(Games),COUNT(DISTINCT(NOC)) AS Num_of_countri...	2 row(s) returned	0.734 sec / 0.000 sec
19	01:40:48	SELECT DISTINCT(NOC), COUNT(DISTINCT(Games)) AS participation_number FROM oly...	4 row(s) returned	1.187 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data**
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Olympic_data

```
126 /* Olympic Sports in every Summer Olympic */
127 WITH tab1 AS
128 (SELECT DISTINCT(Sport), COUNT(DISTINCT(Games)) AS Sport_count,
129 (SELECT COUNT(DISTINCT(Year))
130 FROM olympic_history
131 WHERE Season='Summer'
132 ) AS Total_Summer_Olympics
133 FROM olympic_history
134 WHERE Season='Summer'
135 GROUP BY Sport
136 ORDER BY Sport_count DESC)
137 SELECT *
138 FROM tab1
139 WHERE Sport_count=Total_Summer_Olympics;
```

Result Grid

Sport	Sport_count	Total_Summer_Olympics
Athletics	29	29
Swimming	29	29
Cycling	29	29
Fencing	29	29
Gymnastics	29	29

Result 100 x

Output

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data**
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Olympic_data

```
142 /* Olympic Sports in every Winter Olympic */
143 WITH tab1 AS
144 (SELECT DISTINCT(Sport), COUNT(DISTINCT(Games)) AS Sport_count,
145 (SELECT COUNT(DISTINCT(Year))
146 FROM olympic_history
147 WHERE Season='Winter'
148 ) AS Total_Summer_Olympics
149 FROM olympic_history
150 WHERE Season='Winter'
151 GROUP BY Sport
152 ORDER BY Sport_count DESC)
153 SELECT *
154 FROM tab1
155 WHERE Sport_count=Total_Summer_Olympics;
```

Result Grid

Sport	Sport_count	Total_Summer_Olympics
Cross Country Skiing	22	22
Figure Skating	22	22
Ice Hockey	22	22
Nordic Combined	22	22
Ski Jumping	22	22
Speed Skating	22	22

Result 101 x

Output

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

158 /*Sports played only once in Olympics */

159

160 • SELECT DISTINCT(Sport), COUNT(DISTINCT(Games)) as game_count, Games

161 FROM olympic_history

162 GROUP BY Sport

163 HAVING game_count=1

164 ORDER BY Sport;

Result Grid

Sport	game_count	Games
Aeronautics	1	1936 Summer
Basque Pelota	1	1900 Summer
Cricket	1	1900 Summer
Croquet	1	1900 Summer
Jeu De Paume	1	1908 Summer
Military Ski Patrol	1	1924 Winter
Motorboating	1	1908 Summer
Racquets	1	1908 Summer
Rogue	1	1904 Summer
Rugby Sevens	1	2016 Summer

Result 102 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	01:43:38	WITH tab1 AS (SELECT DISTINCT(Sport), COUNT(DISTINCT(Games)) AS Sport_count, ...	6 row(s) returned	0.907 sec / 0.000 sec
22	01:44:34	SELECT DISTINCT(Sport), COUNT(DISTINCT(Games)) as game_count, Games FROM oly...	10 row(s) returned	0.781 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

173 /* Total sports played in each Olympic Games*/

174

175 • SELECT Games, COUNT(DISTINCT(Sport)) AS num_of_sports

176 FROM olympic_history

177 GROUP BY Games

178 ORDER BY num_of_sports DESC;

179

180 /* ***** */

Result Grid

Games	num_of_sports
2004 Summer	34
2016 Summer	34
2008 Summer	34
2000 Summer	34
2012 Summer	32
1996 Summer	31
1992 Summer	29
1988 Summer	27
1920 Summer	25
1984 Summer	25

Result 102 Result 103 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
22	01:44:34	SELECT DISTINCT(Sport), COUNT(DISTINCT(Games)) as game_count, Games FROM oly...	10 row(s) returned	0.781 sec / 0.000 sec
23	01:46:41	SELECT Games, COUNT(DISTINCT(Sport)) AS num_of_sports FROM olympic_history GR...	51 row(s) returned	0.750 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator: Olympic_data

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information: No object selected

```

179
180 /* *****
181 /* Oldest athletes to win a gold medal*/
182
183 WITH tab AS
184 (SELECT *
185  FROM olympic_history
186  WHERE Medal='Gold')
187 SELECT *
188 FROM tab
189 WHERE Age IN (SELECT MAX(CAST(AGE AS UNSIGNED)) FROM tab) ;
190

```

ID	Name	Sex	Age	Height	Weight	Team	Noc	Games	Year	Season	City	Sport	Event
53238	Charles Jacobus	M	64	NA	NA	United ...	USA	1904 Summer	1904	Summer	St. Louis	Rogue	Rogue Men's Singles
117046	Oscar Gomer Swahn	M	64	NA	NA	Sweden	SWE	1912 Summer	1912	Summer	Stockholm	Shooting	Shooting Men's Running T...

Result 102 Result 104

Output

Action Output

#	Time	Action	Message	Duration / Fetch
23	01:46:41	SELECT Games, COUNT(DISTINCT(Sport)) AS num_of_sports FROM olympic_history GR...	51 row(s) returned	0.750 sec / 0.000 sec
24	01:47:18	WITH tab AS (SELECT * FROM olympic_history WHERE Medal='Gold') SELECT * FROM t...	2 row(s) returned	0.938 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator: Olympic_data

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information: No object selected

```

192 /* Male-Female Ratio*/
193 WITH tab AS
194 (SELECT COUNT(Name) AS Male_count
195  FROM olympic_history
196  WHERE Sex = 'M')
197 SELECT *,
198 (WITH tab2 AS
199 (SELECT COUNT(Name)
200  FROM olympic_history
201  WHERE Sex = 'F')
202 SELECT *
203 FROM tab2) AS Female_count , (SELECT Male_count/Female_count )AS Male_Female_Ratio
204 FROM tab;
205

```

Male_count	Female_count	Male_Female_Ratio
195353	74378	2.6265

Result 102 Result 105

Output

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

207 /* Athletes who have won the most Gold medals*/

208

209 SELECT Name, Team, COUNT(Medal) AS Gold_count

210 FROM olympic_history

211 WHERE Medal='Gold'

212 GROUP BY Name

213 ORDER BY Gold_count DESC;

214

215

216

Result Grid

Name	Team	Gold_count
Michael Fred Phelps, II	United States	23
Raymond Clarence "Ray" Ewry	United States	10
Larysa Semenivna Latynina (Diriy-)	Soviet Union	9
Frederick Carlton "Carl" Lewis	United States	9
Paavo Johannes Nurmi	Finland	9
Mark Andrew Spitz	United States	9
Jennifer Elisabeth "Jenny" Thompson ...	United States	8

Result 102 Result 106 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	01:48:04	WITH tab AS (SELECT COUNT(Name) AS Male_count FROM olympic_history WHERE S...	1 row(s) returned	0.828 sec / 0.000 sec
26	01:50:04	SELECT Name, Team, COUNT(Medal) AS Gold_count FROM olympic_history WHERE Me...	10413 row(s) returned	0.500 sec / 0.031 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

221 /* *****

222 /* Athletes who have won the most medals (gold/silver/bronze)*/

223

224 SELECT Name, team, COUNT(Medal) AS Total_medals

225 FROM olympic_history

226 WHERE Medal IN('Gold','Silver','Bronze')

227 GROUP BY Name

228 ORDER BY Total_medals DESC;

229

230

Result Grid

Name	team	Total_medals
Michael Fred Phelps, II	United States	28
Larysa Semenivna Latynina (Diriy-)	Soviet Union	18
Nikolay Yefimovich Andrianov	Soviet Union	15
Ole Einar Bjørndalen	Norway	13
Edoardo Mangiarotti	Italy	13
Takashi Ono	Japan	13
Borys Anfiyanovich Shakhlin	Soviet Union	13

Result 102 Result 107 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
26	01:50:04	SELECT Name, Team, COUNT(Medal) AS Gold_count FROM olympic_history WHERE Me...	10413 row(s) returned	0.500 sec / 0.031 sec
27	01:51:17	SELECT Name, team, COUNT(Medal) AS Total_medals FROM olympic_history WHERE M...	28202 row(s) returned	0.531 sec / 0.063 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history

Administration Schemas

Information

No object selected

Olympic_data

```

236 /*Countries with total medals*/
237
238 SELECT Noc,Team, COUNT(Medal) AS Total_medals
239 FROM olympic_history
240 WHERE Medal IN ('Gold', 'Silver', 'Bronze')
241 GROUP BY Noc
242 ORDER BY Total_medals DESC;
243

```

Result Grid

Noc	Team	Total_medals
USA	United States	5637
URS	Soviet Union	2503
GER	Germany	2165
GBR	Great Britain	2067
FRA	France	1767
ITA	Italy	1637
SWE	Sweden	1536
CAN	Canada	1352
AUS	Australia	1320
RUS	Russia	1165

Result 102 Result 108 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
27	01:51:17	SELECT Name,team, COUNT(Medal) AS Total_medals FROM olympic_history WHERE M...	28202 row(s) returned	0.531 sec / 0.063 sec
28	01:51:59	SELECT Noc,Team, COUNT(Medal) AS Total_medals FROM olympic_history WHERE Me...	149 row(s) returned	0.484 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history

Administration Schemas

Information

No object selected

Olympic_data

```

245 /* Total gold, silver and bronze medals won by each country.*/
246 SELECT Noc, COALESCE(SUM(Gold), 0) as 'Gold', COALESCE(SUM(Silver), 0) as 'Silver', COALESCE(SUM(Bronze), 0) as 'Bronze'
247 FROM
248 (SELECT Noc, CASE WHEN tab2.Medal='Gold' THEN tab2.Total END AS 'Gold',
249 CASE WHEN tab2.Medal='Silver' THEN tab2.Total END AS 'Silver',
250 CASE WHEN tab2.Medal='Bronze' THEN tab2.Total END AS 'Bronze'
251 FROM (WITH tab1 AS
252 (SELECT *,COUNT(*)
253 FROM olympic_history
254 GROUP BY Games, Noc, Medal,Event)
255 SELECT *, COUNT(Medal) AS Total
256 FROM tab1
257 GROUP BY Games,Noc,Medal,Event
258 ORDER BY Noc) AS tab2) AS tab3
259 GROUP BY Noc
260 ORDER BY Gold DESC;

```

Result Grid

Noc	Gold	Silver	Bronze
USA	1131	901	791
URS	471	373	353
GER	319	345	340
GBR	289	320	310

Result 102 Result 109 x

Output

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Result Grid

Games	Noc	Gold	Silver	Bronze
1896 Summer	AUS	2	0	1
1896 Summer	AUT	2	1	2
1896 Summer	DEN	1	2	3
1896 Summer	FRA	5	4	2
1896 Summer	GBR	3	3	3

Result 102 Result 110 x

Output

```

263 /*Total gold, silver and bronze medals won by each country corresponding to each olympic games.*/
264 SELECT Games,Noc, COALESCE(SUM(Gold),0) AS 'Gold', COALESCE(SUM(Silver),0) AS 'Silver', COALESCE(SUM(Bronze),0) AS 'Bronze'
265 FROM
266 (SELECT Games, Noc, CASE WHEN tab2.Medal='Gold' THEN tab2.Total END AS 'Gold', CASE WHEN tab2.Medal='Silver' THEN tab2.Total END AS 'Silver'
267 CASE WHEN tab2.Medal='Bronze' THEN tab2.Total END AS 'Bronze'
268 FROM
269 (WITH tab1 AS
270 (SELECT Games,Noc, Medal
271 FROM olympic_history
272 WHERE Medal in ('Gold','Silver','Bronze'))
273 SELECT *, COUNT(Medal) AS Total
274 FROM tab1
275 WHERE Medal='Gold' or Medal='Silver' or Medal='Bronze'
276 GROUP BY Games,Noc,Medal
277 ORDER BY Games) AS tab2) AS tab3
278 GROUP BY Games, Noc;
  
```

/*Country won the most gold, most silver and most bronze medals in each olympic games.*/

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Result Grid

Games	Total_Gold	Total_Silver	Total_Bronze
1896 Summer	GER-25	GRE-18	GRE-20
1900 Summer	GBR-58	FRA-93	FRA-82
1904 Summer	USA-128	USA-141	USA-125
1906 Summer	GRE-24	GRE-48	GRE-30

Result 102 Result 111 x

Output

```

282 SELECT tab3.Games, COALESCE(MAX(Total_Gold),0) AS 'Total_Gold', COALESCE(MAX(Total_Silver),0) AS 'Total_Silver',
283 COALESCE(MAX(Total_Bronze),0) AS 'Total_Bronze'
284 FROM
285 (SELECT tab2.Games, CASE WHEN tab2.Medal='Gold' THEN CONCAT(tab2.Noc,'-', tab2.Total_medals) END AS 'Total_Gold',
286 CASE WHEN tab2.Medal='Silver' THEN CONCAT(tab2.Noc,'-', tab2.Total_medals) END AS 'Total_Silver',
287 CASE WHEN tab2.Medal='Bronze' THEN CONCAT(tab2.Noc,'-', tab2.Total_medals) END AS 'Total_Bronze'
288 FROM
289 (WITH tab1 AS
290 (SELECT Games, Medal,Noc,COUNT(Medal) AS num_counts
291 FROM olympic_history
292 WHERE Medal <> 'NA'
293 GROUP BY Games, Medal,Noc
294 ORDER BY Games,Medal, num_counts DESC)
295 SELECT Games,Medal,Noc, MAX(num_counts) AS Total_medals
296 FROM tab1
297 GROUP BY Games,Medal) AS tab2) AS tab3
298 GROUP BY Games;
  
```

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

301 /*Maximum medals won by country in every Olympic game*/

302

303 WITH tab0 AS

304 (SELECT Games, Noc, COUNT(Medal) AS total_medals

305 FROM olympic_history

306 WHERE Medal <> 'NA'

307 GROUP BY Games, Noc

308 ORDER BY Games, total_medals DESC)

309 SELECT Games, Noc, MAX(total_medals) AS max_medals

310 FROM tab0

311 GROUP BY Games;

Result Grid

Games	Noc	max_medals
1896 Summer	GRE	48
1900 Summer	FRA	225
1904 Summer	USA	394
1906 Summer	GRE	102
1908 Summer	GBR	368

Result 102 Result 112 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
31	02:01:20	SELECT tab3 Games, COALESCE(MAX(Total_Gold), 0) AS 'Total_Gold', COALESCE(MAX(...	51 row(s) returned	0.532 sec / 0.000 sec
32	02:06:39	WITH tab0 AS (SELECT Games, Noc, COUNT(Medal) AS total_medals FROM olympic_h...	51 row(s) returned	0.485 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

318 /*Sport/event, India has won highest medals.*/

319

320 WITH India AS

321 (SELECT Sport, COUNT(Medal) AS Medals

322 FROM olympic_history

323 WHERE Noc='IND' AND Medal <> 'NA'

324 GROUP BY Sport)

325 SELECT Sport, MAX(Medals)

326 FROM India

327 HAVING MAX(Medals);

328

Result Grid

Sport	MAX(Medals)
Hockey	173

Result 102 Result 113 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
32	02:06:39	WITH tab0 AS (SELECT Games, Noc, COUNT(Medal) AS total_medals FROM olympic_h...	51 row(s) returned	0.485 sec / 0.000 sec
33	02:08:00	WITH India AS (SELECT Sport, COUNT(Medal) AS Medals FROM olympic_history WHE...	1 row(s) returned	0.437 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

```

330 /*Break down all olympic games where India won medal for Hockey and how many medals in each olympic games*/
331 SELECT Games, Team, Sport, COUNT(Medal) AS Medals
332 FROM olympic_history
333 WHERE Noc='IND' AND Medal <> 'NA' AND Sport='Hockey'
334 GROUP BY Games
335 ORDER BY Medals DESC;

```

Result Grid

Games	Team	Sport	Medals
1948 Summer	India	Hockey	20
1936 Summer	India	Hockey	19
1956 Summer	India	Hockey	17
1980 Summer	India	Hockey	16
1968 Summer	India	Hockey	16
1964 Summer	India	Hockey	15
1932 Summer	India	Hockey	15
1928 Summer	India	Hockey	14
1972 Summer	India	Hockey	14
1952 Summer	India	Hockey	14
1960 Summer	India	Hockey	13

Result 102 Result 114 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
33	02:08:00	WITH India AS (SELECT Sport, COUNT(Medal) AS Medals FROM olympic_history WHE...	1 row(s) returned	0.437 sec / 0.000 sec
34	02:08:35	SELECT Games, Team, Sport, COUNT(Medal) AS Medals FROM olympic_history WHERE ...	11 row(s) returned	0.469 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

```

341 /*Which countries have never won gold medal but have won silver/bronze medals?*/
342 SELECT tab4.Noc , tab4.Total_Silver, tab4.Total_Bronze
343 FROM
344 (SELECT tab3.Noc, COALESCE(MAX(Gold),0) AS 'Total_Gold', COALESCE(MAX(Silver),0) AS 'Total_Silver',
345 COALESCE(MAX(Bronze),0) AS 'Total_Bronze'
346 FROM
347 (SELECT tab2.Noc, CASE WHEN tab2.Medal='Gold' THEN tab2.total_medals END AS 'Gold',
348 CASE WHEN tab2.Medal='Silver' THEN tab2.total_medals END AS 'Silver',
349 CASE WHEN tab2.Medal='Bronze' THEN tab2.total_medals END AS 'Bronze'
350 FROM
351 (WITH tab1 AS
352 (SELECT Noc, Medal, COUNT(Medal) AS total_medals
353 FROM olympic_history
354 WHERE Medal <> 'NA'
355 GROUP BY Noc, Medal
356 ORDER BY Noc)
357 SELECT *
358 FROM tab1
359 GROUP BY Noc, Medal
360 ORDER BY Noc) AS tab2
361 GROUP BY Noc, Medal
362 ORDER BY Noc) AS tab3
363 GROUP BY Noc
364 ORDER BY Total_Gold, Total_Silver, Total_Bronze) AS tab4
365 WHERE Total_Gold =0
366 ORDER BY Total_Silver DESC;
367

```

Result Grid

Noc	Total_Silver	Total_Bronze
PAR	17	0
ISL	15	2
MNE	14	0
MAS	11	5
NAM	4	0

Result 102 Result 115 x

Read Only

File Edit View Query Database Server Tools Scripting Help

Navigator: Olympic_data x

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

```

367
368 /* -----
369 /*Gold Won By India as team*/
370
371 • SELECT *
372 FROM olympic_history
373 WHERE Noc='IND' AND Medal='Gold'
374 GROUP BY Games, Event
375 ORDER BY Games;

```

Result Grid

ID	Name	Sex	Age	Height	Weight	Team	Noc	Games	Year	Season	City	Sport	Event	Medal
109611	Antarge Sherpa	M	NA	NA	NA	India	IND	1924 Winter	1924	Winter	Chamonix	Alpinism	Alpinism Mixed Alpinism	Gold
2699	Shaukat Ali	M	30	NA	NA	India	IND	1928 Summer	1928	Summer	Amsterdam	Hockey	Hockey Men's Hockey	Gold
2864	Richard James Allen	M	30	172	NA	India	IND	1932 Summer	1932	Summer	Los Angeles	Hockey	Hockey Men's Hockey	Gold
2864	Richard James Allen	M	34	172	NA	India	IND	1936 Summer	1936	Summer	Berlin	Hockey	Hockey Men's Hockey	Gold
21912	Leslie Walter Claudius	M	21	162	53	India	IND	1948 Summer	1948	Summer	London	Hockey	Hockey Men's Hockey	Gold
21912	Leslie Walter Claudius	M	25	162	53	India	IND	1952 Summer	1952	Summer	Helinki	Hockey	Hockey Men's Hockey	Gold
21912	Leslie Walter Claudius	M	29	162	53	India	IND	1956 Summer	1956	Summer	Melbourne	Hockey	Hockey Men's Hockey	Gold
2703	Syed Mushtaq Ali	M	22	165	61	India	IND	1964 Summer	1964	Summer	Tokyo	Hockey	Hockey Men's Hockey	Gold

Result 102 olympic_history 116 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
35	02:10:31	SELECT tab4.Noc, tab4.Total_Silver, tab4.Total_Bronze FROM (SELECT tab3.Noc, COA...	40 row(s) returned	0.500 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator: Olympic_data x

SCHMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

```

382 /* -----
383 /*Medals won by India In each Olympic games & with sport event*/
384
385 • SELECT Games, Event, Medal
386 FROM olympic_history
387 WHERE Noc='IND' AND Medal <> 'NA'
388 GROUP BY Games, Event
389 ORDER BY Games;

```

Result Grid

Games	Event	Medal
1900 Summer	Athletics Men's 200 metres	Silver
1900 Summer	Athletics Men's 200 metres Hurdles	Silver
1924 Winter	Alpinism Mixed Alpinism	Gold
1928 Summer	Hockey Men's Hockey	Gold
1932 Summer	Hockey Men's Hockey	Gold
1936 Summer	Hockey Men's Hockey	Gold
1948 Summer	Hockey Men's Hockey	Gold
1952 Summer	Hockey Men's Hockey	Gold

Result 102 olympic_history 117 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
36	02:18:33	SELECT * FROM olympic_history WHERE Noc='IND' AND Medal='Gold' GROUP BY Gam...	10 row(s) returned	0.531 sec / 0.000 sec
37	02:19:47	SELECT Games, Event, Medal FROM olympic_history WHERE Noc='IND' AND Medal <> '...	29 row(s) returned	0.453 sec / 0.000 sec

Object Info Session

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Object Info Session

olympic_data

Don't Limit

```

392 /*Total Medals given in each event*/
393 SELECT tab2.Event, COALESCE(MAX(Gold),0) AS 'Total_Gold', COALESCE(MAX(Silver),0) AS 'Total_Silver', COALESCE(MAX(Bronze),0) AS 'Total_Bronze'
394 FROM
395     (WITH tab1 AS
396         (SELECT Event,Medal ,COUNT(Medal) AS max_medals
397          FROM olympic_history
398          WHERE Medal <> 'NA'
399          GROUP BY Event, Medal
400          ORDER BY max_medals DESC)
401         SELECT Event, CASE WHEN Medal='Gold' THEN max_medals END AS 'Gold', CASE WHEN Medal='Silver' THEN max_medals END AS 'Silver',
402                CASE WHEN Medal='Bronze' THEN max_medals END AS 'Bronze'
403          FROM tab1) AS tab2
404     GROUP BY Event;
  
```

Result Grid

Event	Total_Gold	Total_Silver	Total_Bronze
Football Men's Football	414	414	441
Ice Hockey Men's Ice Hockey	407	414	409
Hockey Men's Hockey	360	339	351
Water Polo Men's Water Polo	287	283	296
Gymnastics Men's Team All-Around	249	234	230
Rowing Men's Coxed Eights	244	243	243
Basketball Men's Basketball	234	229	224

Result 102 Result 118 x

Output

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - Tables
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

Object Info Session

olympic_data

Don't Limit

```

407 /* Hosting City Count */
408 WITH tab1 AS
409     (SELECT (Games),(City)
410      FROM olympic_history
411      GROUP BY Games,City
412      ORDER BY Games)
413     SELECT City, COUNT(City) AS total_hosted
414     FROM tab1
415     GROUP BY City
416     ORDER BY total_hosted DESC;
  
```

Result Grid

City	total_hosted
Athina	3
London	3
Paris	2
Sankt Moritz	2
Stockholm	2
Lake Placid	2

Result 102 Result 119 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
38	02:21:23	SELECT tab2.Event, COALESCE(MAX(Gold),0) AS 'Total_Gold', COALESCE(MAX(Silver),0) AS 'Total_Silver', COALESCE(MAX(Bronze),0) AS 'Total_Bronze'	756 row(s) returned	0.516 sec / 0.000 sec
39	02:22:49	WITH tab1 AS (SELECT (Games),(City) FROM olympic_history GROUP BY Games,City ORDER BY Games)	42 row(s) returned	0.547 sec / 0.000 sec

/*Success Ratio*/

File Edit View Query Database Server Tools Scripting Help

Navigator Olympic_data*

SCHEMAS

Filter objects

- automobile_data
- automobile_data_2
- avocado
- customer_data
- employee
- furniture_data_3
- furniture_store
- movie_data_2
- olympic_data
 - olympic_history
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

No object selected

```
423 SELECT
424     (WITH tab1 AS
425     (SELECT COUNT(*)
426     FROM olympic_history
427     WHERE Medal='NA')
428     SELECT *
429     FROM tab1) No_medals ,
430
431     (WITH tab2 AS
432     (SELECT COUNT(*)
433     FROM olympic_history
434     WHERE Medal <> 'NA')
435     SELECT *
436     FROM tab2) Medals,
437
438     (SELECT Medals/No_medals) AS Success_ratio;
```

Result Grid

No_medals	Medals	Success_ratio
229959	39772	0.1730

Result 102 Result 120 x

Output

Read Only