**Que – 11.** The link for the dataset - [**Link**](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/022/499/original/olympics_1896_2008.csv?1672904728)

This dataset is the data of all the medal winners in the Summer Olympics from 1896 Athens to 2008 Beijing. It includes each and every medal awarded within the period.

Which athlete has won a ‘Silver’ medal at an ‘underwater swimming’ event?

**Ans – 11.**

select athlete,event,medal

from fluid-arc-394607.assignment\_1.nothing

where lower(event)="underwater swimming" and lower(medal)="silver"

**Que – 12.** The link for the dataset - [**Link**](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/022/499/original/olympics_1896_2008.csv?1672904728)

This dataset is the data of all the medal winners in the Summer Olympics from 1896 Athens to 2008 Beijing. It includes each and every medal awarded within the period.

In which of these cities was the Summer Olympics held more than once?

**Ans – 12.**

select city

from fluid-arc-394607.assignment\_1.nothing

group by city,edition

having count(distinct edition)>1

**Que – 13.** The link for the dataset - [**Link**](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/022/499/original/olympics_1896_2008.csv?1672904728)

This dataset has the data of all the medal winners in the Summer Olympics from 1896 Athens to 2008 Beijing. It includes each and every medal awarded within the period.

Find the top 3 countries with the no of medals when the Olympics were held in Beijing.

**Ans – 13.**

select noc,count(count\_of\_medals)

from fluid-arc-394607.assignment\_1.nothing

where lower(city)="beijing"

group by noc

**Que – 14.** The link for the dataset - [**Link**](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/022/499/original/olympics_1896_2008.csv?1672904728)

This dataset has the data of all the medal winners in the Summer Olympics from 1896 Athens to 2008 Beijing. It includes each and every medal awarded within the period.

What is the average number of medals won by male athletes per country?

**Ans – 14.**

select t1.noc,round(t1.c\_total/t2.total,4) as average

from(select noc,sum(count\_of\_medals) as c\_total

from fluid-arc-394607.assignment\_1.nothing

where lower(gender)="men"

group by noc)as t1

left join(select distinct noc,sum(count\_of\_medals)over() as total

from fluid-arc-394607.assignment\_1.nothing

where lower(gender)="men")as t2

on t1.noc=t2.noc

order by round(t1.c\_total/t2.total,2) desc

**Que – 15.** The link for the dataset - [**Link**](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/022/499/original/olympics_1896_2008.csv?1672904728)

This dataset is the data of all the medal winners in the Summer Olympics from 1896 Athens to 2008 Beijing. It includes each and every medal awarded within the period.

Which of these is not among the top 5 women athletes who’ve won the highest no. of medals for the USA?

**Ans – 15.**

with usa\_medal\_f as

(select athlete,sum(count\_of\_medals)as total\_medals

from fluid-arc-394607.assignment\_1.nothing

where lower(gender)="women" and lower(noc)="usa"

group by athlete),

final as

(select \*,dense\_rank()over(order by total\_medals desc)as rank

from usa\_medal\_f

order by dense\_rank()over(order by total\_medals desc))

select \* from final

where rank>5

**Que – 16.** The link for the dataset - [**Link**](https://d2beiqkhq929f0.cloudfront.net/public_assets/assets/000/022/499/original/olympics_1896_2008.csv?1672904728)

This dataset is the data of all the medal winners in the Summer Olympics from 1896 Athens to 2008 Beijing. It includes each and every medal awarded within the period.

Find out which country has won the maximum no. of medals between the years 1948 and 1992 (boundaries included) in Gymnastics.

**Ans – 6.**

with table as

(select noc,sum(count\_of\_medals) as total\_medal

from fluid-arc-394607.assignment\_1.nothing

where edition between 1948 and 1992 and lower(sport) = "gymnastics"

group by noc)

select noc,total\_medal

from table

order by total\_medal desc

limit 1

**Que – 17.** What is the primary goal of SQL query optimization?

**Ans – 17.**

--The primary goal of query optimization is to reduce execution time, resource utilization and cost.

**Que – 18.** Which of the following is NOT a potential benefit of optimizing SQL queries?

**Ans – 18.**

--Among the options provided, "Reduced Data Storage Requirements" is NOT a potential benefit of optimizing SQL queries. SQL query optimization primarily focuses on improving the performance and efficiency of query execution, but it doesn't directly affect the storage requirements for the data in the database.

--The other options—such as "Faster Query Execution," "Improved System Resource Utilization," and "Enhanced Application Responsiveness"—are all potential benefits of optimizing SQL queries.