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**Olympic Capstone project**

* Apply appropriate normalization techniques (up to 3 NF) to divide it into multiple tables.
* Queries
* Inserting the table with the help of pymysql and sqlalchemy. The data will be available in mysql we need to read the data and perform the queries.

Select \* from `olympic\_detail`;

* 1. Find the average number of medals won by each country

Select country, round(avg(total\_medal),1)

from olympic\_detail

group by country

order by round(avg(total\_medal,1) desc ;

* 1. Display the countries and the number of gold medals they have won in decreasing order.

Select country,sum(gold\_medal)

from olympic\_detail

group by country

order by sum(gold\_medal) desc ;

* 1. Display the list of people and the medals they have won in descending order, grouped by their country.

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Select country,name,sum(total\_medal)

from olympic\_detail

group by country,name

order by sum(total\_medal) desc ;

* 1. Display the list of people with the medals they have won according to their age.

Select age,name,total\_medal

from olympic\_detail

group by name,age

order by age desc ;

* 1. Which country has won the most number of medals (cumulative)

Select country,sum(total\_medal)

from olympic\_detail

group by country

order by sum(total\_medal) desc

limit 1 ;