Olympic Data Analysis Source Code

**##Creating Database & Tables**

create database Olympic;

use Olympic;

create table Medal\_Details

(

edition varchar(255),

edition\_id int,

year int,

country varchar(255),

country\_noc varchar(3),

gold int,

silver int,

bronze int,

total int,

primary key (edition\_id,country\_noc)

);

create table Games\_Held

(

edition varchar(255),

edition\_id int,

year int,

city varchar(255),

country\_noc varchar(3),

primary key (edition\_id)

);

create table Athlete\_Event

(

edition varchar(255),

edition\_id int,

country\_noc varchar(3),

sport varchar(255),

event varchar(255),

result\_id int,

athlete\_name varchar(255),

athlete\_id int,

primary key (result\_id)

);

create table Athlete\_Bio

(

athlete\_id int,

athlete\_name varchar(255),

sex enum('male','female'),

country varchar(255),

country\_noc varchar(3),

primary key (athlete\_id)

);

create table Oly\_Results

(

result\_id int,

event\_title varchar(255),

edition varchar(255),

edition\_id int,

sport varchar(255),

result\_location varchar(255),

primary key(result\_id)

);

create table Country\_details

(

country\_noc varchar(3),

country varchar(255),

primary key (country\_noc)

);

## Q1. Count the total Indian Athlete participates in Olympic

use olympic;

select Count(athlete\_name) As total\_indian\_athlete , country from athlete\_bio

where country\_noc = "ind"

group by country ;

## Q2. Count the number of countries that have participated in Olympic

select count(distinct country\_noc) as total\_country

from country\_details;

## Q3. The total no of

## each medals won by India.

select sum(gold) as Gold\_Medals,

sum(silver) as Silver\_Medals,

sum(bronze) as Bronze\_Medals,

sum(total) as Total

from medal\_details

where country = "india";

## Q4. List the top 5 countries

## with most gold medals

select country ,

sum(gold) as gold\_medals

from medal\_details

group by country

order by gold\_medals desc limit 5;

## Q5. Find top 5 countries with the hightest average

## number of medals per edition

Select country, country\_noc,

avg(total) as Average\_Medals

from medal\_details

group by country , country\_noc

order by Average\_Medals desc limit 5;

## Q6. Analyze the trend of total medal

## won by India over the year

select year,

sum(total) as total\_medal

from medal\_details

where country\_noc = 'IND'

group by year;

## Q7. Find Out the Ratio of Male to Female Athlete Gender

select sum(sex = 'male') as male,

sum(sex= 'female') as female,

sum(sex = 'male') / sum(sex= 'female') as Male\_to\_female\_ratio

from athlete\_bio;

## Q8. Find the country that has won

## the most gold medals in Football.

select country , sum(gold) as total\_gold from medal\_details

join oly\_results

on medal\_details.edition\_id = oly\_results.edition\_id

where sport = 'football'

group by country

order by total\_gold desc limit 1;

## Q9. In which year and city

## where USA hosted the Olympic Games.

select year , city from games\_held

where country\_noc = 'USA';

## Q10. List all the Olympic Games

## held in the 20th century.

select \* from games\_held

where year between 1900 and 1999;