-- To see Male Vs Female participation in olympics over the years

SELECT year,sex,COUNT(\*) FROM reeny.athlete\_event

GROUP BY year,sex

ORDER BY year ASC

-- Participation of Female Athletes Overtime in Olympics

SELECT year,COUNT(\*) FROM reeny.athlete\_event

where sex='F'

GROUP BY year

ORDER BY year ASC

--Participation of Female athletes Summer Vs Winter Olympics

SELECT year,season,COUNT(\*) FROM reeny.athlete\_event

WHERE sex='F'

GROUP BY year,season

ORDER BY year ASC

--Medals Won Male Vs Female Athletes in Olympics

SELECT year,sex,COUNT(\*) as TOTALMEDALS FROM reeny.athlete\_event

WHERE medal is NOT NULL

GROUP BY year,sex

ORDER BY year ASC

--Total Number of sporting Events for Female Athletes in Olympics

SELECT year, COUNT(distinct event) AS TotalEvents FROM reeny.athlete\_event

WHERE sex='F'

GROUP BY year,sex

ORDER BY year ASC

--Number of Sporting events in Olympics Male Vs Female Athletes

SELECT sex,year, COUNT(distinct event) AS TotalEvents FROM reeny.athlete\_event

GROUP BY year,sex

ORDER BY year ASC

--Top 5 Host Countries with Medals Won thru out history of Olympics

Select region, Count(medal) as TotalMedalWon

From reeny.noc\_regions

Join reeny.athlete\_event ON reeny.noc\_regions.noc=reeny.athlete\_event.noc

Where medal IS NOT NULL

Group BY region

Order BY TotalMedalWon DESC

LIMIT 5

--Top 5 countries with Maximum Athletes

Select region, Count(distinct id) as TotalAthletes

From reeny.noc\_regions

Join reeny.athlete\_event ON reeny.noc\_regions.noc=reeny.athlete\_event.noc

Group BY region

Order BY TotalAthletes DESC

Limit 5

--Top 5 Countries with Maximum Female Athletes

Select region, Count(distinct id) as TotalFemaleAthletes

From reeny.noc\_regions

Join reeny.athlete\_event ON reeny.noc\_regions.noc=reeny.athlete\_event.noc

where sex='F'

Group BY region

Order BY TotalFemaleAthletes DESC

Limit 5

--Gender Binary- Success of Female Group compared to Male Group

Select GenderBinary,Count(Medal) as TotalMedalWon,

Count(Event) as TotalEventParticipated

From

(SELECT \*,

(Case when Sex='F' Then 1 ELSE 0 END) AS GenderBinary

FROM reeny.athlete\_event) GenderBi

Group By GenderBinary