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-- 1 . How many olympics games have been held?

    select count(distinct Games) from athlete_events

--2 . a) List down all Olympics games held so far.
    select distinct Games from athlete_events

    -- b) list down all olympics in year-season-city format. (ex: 1960-summer-roma)
    select CONCAT(Year,'-',Season,'-',City) as Format from athlete_events

--3 . Mention the total no of nations who participated in each olympics game?

    select count(distinct Team)as Nation,Games
    from athlete_events
    group by Games

--4 . A) Which year saw the highest no of countries participating in olympics?

    select top 1 count(distinct Team)as No_of_Countries,Year
    from athlete_events
    group by Year
    order by Countries desc

--B) Which year saw the Lowest no of countries participating in olympics?

    select top 1 count(distinct Team)as No_of_Countries,Year
    from athlete_events
    group by Year order by No_of_Countries

--5 . Which nation has participated in all of the olympic games?

with CTE as
( select NOC,Games from athlete_events group by NOC,Games)
select count(Games) as count_of_Games,NOC from CTE group by NOC
having count(Games) = (select count(distinct Games) from athlete_events)

--6. Identify the sport which was played in all summer olympics.

with c as
(select Sport,Games from athlete_events group by Sport,Games)
select Sport from c group by Sport
having count(Games) = (select count(distinct Games) from athlete_events
                        where Season = 'Summer')

--8 . Fetch the total no of sports played in each olympic games.

    select count(distinct Sport)as total,Games from athlete_events
    group by Games
    order by total desc

--9 . Fetch details of the oldest athletes to win a gold medal.
    select * from athlete_events

    select top 2 Name, Age from athlete_events
    where Medal = 'Gold' and Age != 'NA'
    order by Age desc

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--10 . Fetch the top 5 athletes who have won the most gold medals.

```
select top 5 Name, count(Medal) as Total from athlete_events
where Medal = 'Gold'
group by Name
order by Total desc
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--11 . Fetch the top 5 athletes who have won the most medals (gold/silver/bronze).

```
select top 5 Team,
sum(case when Medal = 'Gold' then 1 else 0 end)as Gold,
sum(case when Medal = 'Silver' then 1 else 0 end )as Silver,
sum(case when Medal = 'Bronze' then 1 else 0 end) as Bronze
from athlete_events
group by Team
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--13 . Fetch the top 5 most successful countries in olympics.

-- Success is defined by no of medals won.

```
select top 5 Team , count(*) as Total_medals
from athlete_events
group by Team
order by Total_medals desc
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-- 14 . List down total gold, silver and bronze medals won by each country.

```
select Team as Country_Name,
sum(case when Medal = 'Gold' then 1 else 0 end)Total_Gold_Won,
sum(case when Medal = 'Silver' then 1 else 0 end)Total_Silver_Won,
sum(case when Medal = 'Bronze' then 1 else 0 end)Total_Bronze_Won
from athlete_events
group by Team
```