***Queries***

1. Show the number of athletes sent by country ‘INDIA’.

* select count(athlete\_id) from athlete where Nationality = 'India'

1. Show all the yearwise host countries.

* select year,country from summit

1. Show all the medal winners in ‘Wrestling’ event and number of medals won by them.

* select name,cnt from athlete natural join(select athlete\_id,count(year) as cnt from belongs\_to natural join (select team\_id,year from (registered\_in natural join result natural join event) where result=1 and event\_id=199607 and round\_no=number\_of\_rounds) as t1 group by athlete\_id) as t2;

1. Show number of medals won by all the countries(year wise).

* General -

Select country,count((year,event\_id,result)) as medals from registered\_in natural join result natural join event natural join team where (result=1 or result=2) and number\_of\_rounds=round\_no group by country;

* Year wise -

Select year,country,count((event\_id,result)) as medals from registered\_in natural join result natural join event natural join team where (result=1 or result=2) and number\_of\_rounds=round\_no group by country,year order by year,country;

1. List the full names of all competitors in 2012 London summit from India.

* select name from athlete as ath natural join (select athlete\_id from registered\_in as ri natural join (select \* from belongs\_to as b natural join (select \* from athlete where nationality = 'India') as a) as t1 where ri.year=2012) as t2

1. Show all the team events that were held in 2016 Summer summit.

* select \* from event as e join (select \* from summit as s join held\_in as h on(s.year = h.year)) as t on(e.event\_id = t.event\_id) where e.team\_size> 1

1. List all the summit events in which women compete, sorted alphabetically.

* select \* from event as e join (select distinct event\_id from registered\_in as r join (select distinct team\_id from belongs\_to as b join (select \* from athlete where gender = 'F') as t on(b.athlete\_id = t.athlete\_id)) as r1 on(r1.team\_id = r.team\_id)) as r2 on(e.event\_id = r2.event\_id) order by name

1. List all the players who have participated in 2 summit held in different countries.

* create view temp as select year,athlete\_id from registered\_in as r join belongs\_to as b on(r.team\_id = b.team\_id)
* create view tmp as select distinct \* from temp
* select athlete\_id,count(athlete\_id) from tmp group by athlete\_id order by athlete\_id

1. For every summit , list the country name and total number of competitor country who have maximum number of competitors.

* select r5.year,r5.country1 as country,count(r5.country1) from (select distinct r4.year,r4.country1,t2.country from team as t2 join

(select r3.year,r3.event\_id,r3.round\_no,r3.sub\_round\_no,r3.team1\_id,t1.country as country1,r3.team2\_id from team as t1

join (select r1.year,r1.event\_id,r1.round\_no,r1.sub\_round\_no,r1.team\_id as team1\_id,r2.team\_id as team2\_id from registered\_in as r1 joinregistered\_in as r2 on(r1.year = r2.year

and r1.round\_no = r2.round\_no and r1.sub\_round\_no = r2.sub\_round\_no

and r1.event\_id = r2.event\_id and r1.team\_id != r2.team\_id)) as r3 on (t1.team\_id = r3.team1\_id)) as r4 on(t2.team\_id = r4.team2\_id)) as r5 group by r5.year,r5.country1

1. Find how many teams are competing for ‘Basketball’ event.

* select count(team\_id) from registered\_in natural join event where name='Basketball'

1. Show the athlete’s name who has scored basket in first round of basketball event in 2016.

select name,event\_id,team\_id,round\_no,sub\_round\_no,number\_of\_basket,result from athlete as a1 natural join(select \*from

((select \*from (registered\_in as r1 natural join result as r2)

where r1.event\_id=199601 and year=2016 and round\_no=1))as r3 natural join basketball as r4

where r3.record\_id=r4.record\_id) as a2

1. Show all the athletes who are taking part in more than one event.

* create view v1 as select athlete\_id, count(event\_id) as cnt from registered\_in natural join (select \* from athlete natural join belongs\_to) as t1 group by (athlete\_id)

select \* from athlete natural join (select athlete\_id from v1 where cnt>1) as aid

1. Show all the athletes who have more than 3 medal count.

* create view all\_results as select \* from result natural join (select \* from registered\_in as ri natural join event as e where e.number\_of\_rounds=ri.round\_no) as t1

select athlete\_id, count(athlete\_id) from all\_results natural join belongs\_to group by athlete\_id