

1. Details of all players along with State name, Country name and Team name.

```
SQL> select playerid,playername,teamname,gender,salary,statename,countryname,doj
  2  from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
  3  join info_faculty.ol_state c on a.stateid=c.stateid
  4  join info_faculty.ol_country d on c.countryid=d.countryid;
```

PLAYERID	PLAYERNAME	TEAMNAME	GENDER	SALARY	STATENAME	COUNTRYNAME	DOJ
104	Preston	Badminton	F	94000	Mizoram	India	1/15/2005
101	Jordan	Cricket	F	91000	Karnataka	India	11/13/2006
103	Celeste	Table Tennis	M	93000	Dhaka	Bangladesh	9/17/2012
105	Elaine	Football	F	95000	Dhaka	Bangladesh	2/19/1994
106	Hiram	Table Tennis	F	96000	Dhaka	Bangladesh	3/10/1995
107	Jameson	Polo	F	97000	Dhaka	Bangladesh	4/11/1996
109	Arden	Football	F	99000	Amazonas	Brazil	6/29/1998
102	Lacy	Table Tennis	F	92000	Bahia	Brazil	11/10/1993
110	Cynthia	Table Tennis	F	100000	Bahia	Brazil	7/30/1999
112	Benjamin	Table Tennis	F	102000	Beijing	China	9/23/2012
119	Cailin	Table Tennis	M	109000	Rift Valley	Kenya	3/9/1987
118	Blaze	Football	F	108000	Nairobi	Kenya	4/7/2000
115	Hector	Polo	F	105000	Sindh	Pakistan	12/23/1986
116	Lucy	Table Tennis	M	106000	Islamabad	Pakistan	3/16/1987
111	Sacha	Football	M	101000	Wellington	New Zealand	8/31/2010
113	Basil	Football	M	103000	Wellington	New Zealand	10/10/2011
117	Raja	Badminton	M	107000	Wellington	New Zealand	2/8/2011
120	Ahmed	Football	M	110000	Wellington	New Zealand	5/13/2004
114	Camilla	Badminton	M	104000	New York	United States	11/12/1980
108	Judah	Football	M	98000	California	United States	5/20/1997

20 rows selected

2. Number of players in each team in each country.

```
SQL>
SQL> select teamname,countryname,count(playerid) as number_of_players
  2  from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
  3  join info_faculty.ol_state c on a.stateid=c.stateid
  4  join info_faculty.ol_country d on c.countryid=d.countryid
  5  group by teamname,countryname;
```

TEAMNAME	COUNTRYNAME	NUMBER_OF_PLAYERS
Cricket	India	1
Table Tennis	Kenya	1
Polo	Pakistan	1
Table Tennis	Bangladesh	2
Football	Brazil	1
Badminton	United States	1
Football	Kenya	1
Badminton	New Zealand	1
Badminton	India	1
Polo	Bangladesh	1
Football	United States	1
Table Tennis	China	1
Football	Bangladesh	1
Table Tennis	Brazil	2
Table Tennis	Pakistan	1
Football	New Zealand	3

16 rows selected

3. Country wise highly paid player.

```
SQL> select playername,salary,countryname from (select playername,max(salary) as salary,countryname,rank() over(partition by countryname
2 order by max(salary) desc) rank
3 from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
4 join info_faculty.ol_state c on a.stateid=c.stateid
5 join info_faculty.ol_country d on c.countryid=d.countryid
6 group by countryname,playername) where rank=1;
```

PLAYERNAME	SALARY	COUNTRYNAME
Jameson	97000	Bangladesh
Cynthia	100000	Brazil
Benjamin	102000	China
Preston	94000	India
Cailin	109000	Kenya
Ahmed	110000	New Zealand
Lucy	106000	Pakistan
Camilla	104000	United States

8 rows selected

4. Top 2 countries based on number of teams.

```
SQL> select countryname,number_of_teams from (select countryname,count(teamname) as number_of_teams,dense_rank()
2 over(order by count(teamname) desc) rank
3 from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
4 join info_faculty.ol_state c on a.stateid=c.stateid
5 join info_faculty.ol_country d on c.countryid=d.countryid
6 group by countryname) where rownum<3;
```

COUNTRYNAME	NUMBER_OF_TEAMS
Bangladesh	4
New Zealand	4

5. The state details of those countries who has country wise number of players <2.

```
SQL> select statename,stateid from info_faculty.ol_state where countryid=(select countryid
2 from (select playerid,playername,teamname,gender,salary,statename,c.countryid,countryname,doj
3 from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
4 join info_faculty.ol_state c on a.stateid=c.stateid
5 join info_faculty.ol_country d on c.countryid=d.countryid) group by countryid having count(playername)<2);
```

STATENAME	STATEID
Beijing	407
Hunan	408

6. The player details along with state ,country and team details who has joined in the team in the month of March.

```
SQL> select playerid,playername,teamname,gender,salary,statename,countryname,doj from
2 (select playerid,playername,teamname,gender,salary,statename,countryname,doj, extract (month from doj) month
3 from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
4 join info_faculty.ol_state c on a.stateid=c.stateid
5 join info_faculty.ol_country d on c.countryid=d.countryid) where month=3;
```

PLAYERID	PLAYERNAME	TEAMNAME	GENDER	SALARY	STATENAME	COUNTRYNAME	DOJ
106	Hiram	Table Tennis	F	96000	Dhaka	Bangladesh	3/10/1995
119	Cailin	Table Tennis	M	109000	Rift Valley	Kenya	3/9/1987
116	Lucy	Table Tennis	M	106000	Islamabad	Pakistan	3/16/1987

7. Country wise most experienced player.

```
SQL> select playerid,playername,teamname,gender,salary,statename,countryname,doj,experience
2  from (select playerid,playername,teamname,gender,salary,statename,countryname,doj,months_between(sysdate,doj) experience,
3  rank() over(partition by countryname order by months_between(sysdate,doj) desc) rank
4  from info_faculty.ol_player a join info_faculty.ol_team b on a.teamid=b.teamid
5  join info_faculty.ol_state c on a.stateid=c.stateid
6  join info_faculty.ol_country d on c.countryid=d.countryid) where rank =1;
```

PLAYERID	PLAYERNAME	TEAMNAME	GENDER	SALARY	STATENAME	COUNTRYNAME	DOJ	EXPERIENCE
105	Elaine	Football	F	95000	Dhaka	Bangladesh	2/19/1994	247.376752
102	Lacy	Table Tennis	F	92000	Bahia	Brazil	11/10/1993	250.667075
112	Benjamin	Table Tennis	F	102000	Beijing	China	9/23/2012	24.2477202
104	Preston	Badminton	F	94000	Mizoram	India	1/15/2005	116.505784
119	Cailin	Table Tennis	M	109000	Rift Valley	Kenya	3/9/1987	330.699333
120	Ahmed	Football	M	110000	Wellington	New Zealand	5/13/2004	124.570300
115	Hector	Polo	F	105000	Sindh	Pakistan	12/23/1986	333.247720
114	Camilla	Badminton	M	104000	New York	United States	11/12/1980	406.602558