

DSC 100 Project 2 Queries

1.

```
CREATE table new_table as
SELECT COUNT(name), NOC
FROM fixed_data, current_info, games_city
WHERE year=1992 AND city = 'Barcelona' AND fixed_data.id= current_info.id
AND games_city.games = current_info.games
GROUP BY noc
ORDER BY COUNT DESC
```

```
CREATE table not_in_country as
SELECT distinct current_info.noc
FROM team_dict
WHERE NOT EXISTS (
SELECT new_table.noc
FROM new_table
WHERE team_dict.noc = new_table.noc
)
```

```
alter table not_in_country add column counts int default 0;
```

```
CREATE table question_1 as
SELECT noc, counts FROM not_in_country
UNION SELECT noc, counts FROM new_table
```

```
SELECT noc, counts
FROM question_1
ORDER BY COUNT DESC
```

2.

```
SELECT distinct team
FROM game_info, games_city
WHERE year = 2010 AND city = 'Vancouver' AND Sport = 'Curling' AND games_city.games =
game_info.games
```

3.

```
SELECT distinct name
FROM fixed_data, game_info
WHERE year >= 1900 AND fixed_data.id = game_info.id
GROUP BY name
Having (COUNT(Event) > 4)
```

4.

```
SELECT distinct COUNT(name), Games, year
FROM athlete_games_info
WHERE year > 1940
GROUP BY year, games
HAVING (COUNT(Event) >= 3)
ORDER BY COUNT DESC
```

5.

```
SELECT distinct COUNT(name)
FROM fixed_data, game_info,
WHERE year >= 1947 AND team = 'India' AND fixed_data.id = game_info.id
```

6.

```
SELECT distinct name, medal
FROM fixed_data, game_info, event_sport
WHERE year = 2004 AND sport = 'Swimming'
AND fixed_data.id = game_info.id AND event_sport.event = game_info.event
```

7.

```
SELECT COUNT(medal), year, medal
FROM game_info, fixed_data
WHERE name = 'Michael Fred Phelps, II'
AND game_info.id = fixed_data.id
GROUP BY year, medal
```

8.

```
SELECT COUNT(medal), team
FROM game_info
WHERE event = 'Athletics Men's Marathon' AND medal = 'Gold'
GROUP BY medal, team
ORDER BY COUNT DESC
LIMIT 3
```

9.

```
update game_info
set medal = 0
where medal = 'NA'
```

```
update game_info
set medal = 1
where medal = 'Bronze'
```

```
update game_info
set medal = 2
where medal = 'Silver'
```

```
update game_info
set medal = 3
where medal = 'Gold'
```

```
create table nine_1 as
select name, medal, games, year
from game_info
inner join core_table using (ID)
Where year > 1940
```

```
WITH StockRow AS (SELECT name, medal, year,
                        ROW_NUMBER() OVER(PARTITION BY name
                                             ORDER BY year) rn
                    FROM nine_1),
```

```
RunGroup AS (SELECT Base.name, Base.year,
                    MAX(Restart.rn) OVER(PARTITION BY Base.name
                                           ORDER BY Base.year) groupId
              FROM StockRow Base
```

```
        LEFT JOIN StockRow Restart
            ON Restart.name = Base.name
            AND Restart.rn = Base.rn - 1
            AND Restart.medal > Base.medal)
SELECT distinct name,
       COUNT(*) AS consecutiveCount
FROM RunGroup
GROUP BY name
HAVING COUNT(*) >= 3
ORDER BY consecutiveCount
```