**CASE STUDY 4**

TABLE\_1: benn.college\_football\_players players

TABLE\_2: benn.college\_football\_teams

1. Write a query to return player\_name, school\_name, position, conference from the above dataset.
2. **SELECT P.player\_name, P.school\_name, P.position, T.conference FROM benn.college\_football\_players P JOIN benn.college\_football\_teams T ON P.school\_name = T.school\_name;**
3. Write a query to find the total number of players playing in each conference. Order the output in the descending order of number of players.
4. **SELECT T.conference, COUNT(p.id) AS total\_no\_of\_players FROM benn.college\_football\_players P JOIN benn.college\_football\_teams T ON P.school\_name = T.school\_name GROUP by 1 ORDER BY 2 DESC;**
5. Write a query to find the average height of players per division.
6. **SELECT T.division, AVG(P.height) FROM benn.college\_football\_players P JOIN benn.college\_football\_teams T ON P.school\_name = T.school\_name GROUP BY 1;**
7. Write a query to return to the conference where average weight is more than 210. Order the output in the descending order of average weight.
8. **SELECT T.conference, AVG(P.weight) FROM benn.college\_football\_players P JOIN benn.college\_football\_teams T ON P.school\_name = T.school\_name GROUP BY 1 HAVING AVG(weight)>210;**
9. Write a query to return to the top 3 conference with the highest BMI (weight/height) ratio.
10. **SELECT T.conference, P.weight/NULLIF(P.height,0) AS highest\_BMI\_ratio FROM benn.college\_football\_players P JOIN benn.college\_football\_teams T ON P.school\_name = T.school\_name WHERE P.weight/NULLIF(P.height,0) IS NOT NULL ORDER BY 2 DESC LIMIT 3;**