

Problem Statement:

-Which is the best country to find new talent?

Queries:

-Total victories per nationality

```
SELECT DISTINCT d.nationality, SUM(r.position) AS 'Total victories'
FROM drivers d
JOIN results r ON d.driverId = r.driverId
WHERE r.position = 1
GROUP BY d.nationality
ORDER BY SUM(r.position) DESC
```

	nationality	Total victories
1	British	309
2	German	179
3	Brazilian	101
4	French	81
5	Finnish	57
6	Dutch	45
7	Italian	43
8	Australian	43
9	Austrian	41
10	Argentine	38

total rows = 23

-Races with points per nationality

```
SELECT DISTINCT d.nationality, COUNT(r.position) AS 'Races with points'
FROM drivers d
JOIN results r ON d.driverId = r.driverId
WHERE r.position <= 10
GROUP BY d.nationality
ORDER BY COUNT(r.position) DESC
```

	nationality	Races with points
1	British	2029
2	French	1200
3	German	1177
4	Italian	1021
5	Brazilian	857
6	Finnish	627
7	American	450
8	Spanish	417
9	Australian	405
10	Austrian	291

total rows = 38

-Drivers nationality percentage

```
SELECT nationality, cant, CONCAT(CAST((cant * 1.0 / total_cant) * 100 AS
DECIMAL(10,2)), '%') AS percentage
FROM (SELECT d.nationality, COUNT(*) AS cant, (SELECT COUNT(*) FROM drivers) AS
total_cant
      FROM drivers d
      GROUP BY d.nationality) AS subquery
ORDER BY cant DESC;
```

	nationality	cant	percentage
1	British	165	19.25%
2	American	158	18.44%
3	Italian	99	11.55%
4	French	73	8.52%
5	German	50	5.83%
6	Brazilian	32	3.73%
7	Argentine	24	2.80%
8	Belgian	23	2.68%
9	South African	23	2.68%
10	Swiss	23	2.68%

total rows = 42

-Fastests Laps per Nationality (Ranking first in the race)

```

SELECT DISTINCT d.nationality, SUM(r.rank) AS 'Total Fastest Laps'
FROM drivers d
JOIN results r ON d.driverId = r.driverId
WHERE r.rank = 1
GROUP BY d.nationality
ORDER BY SUM(r.rank) DESC

```

	nationality	Total Fastest Laps
1	German	86
2	British	82
3	Finnish	63
4	Australian	35
5	Dutch	27
6	Spanish	26
7	Brazilian	22
8	Mexican	12
9	Monegasque	7
10	French	4

total rows = 17

Findings and Answers:

1. Which is the best country to find new talent?

Based on the nationality data of each driver, we conclude that the best country to find new talent for Formula 1 is the United Kingdom, due to several reasons:

- (a) The majority of drivers in the history of Formula 1 were/are British, with 19.25%, so is more likely to find a potential driver in this country than in any other.
- (b) British drivers win more races overall (309), followed by Germans (179), and Brazilians (101).
- (c) When it comes to points, they achieved 2029 races finishing with points (almost double that of the French, which they rank second).
- (d) Even though they rank second in “Fastest Laps Per Nationality”, the difference with the first (Germany) is only four races. Even in this scenario, british drivers keep excelling.