Experiment - 10

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Aim: Using a Soccer Database, write a SQL queries to find the number of goals scored by each team in each match during normal play. Return match number, country name and goal score.

Solution:

Sample table: match_details:

match_no	play_stage	team_id	win_lose	decided_by	goal_score	penalty_score	ass_ref	player_gk
1	G	1207	W	N	2		80016	160140
1	G	1216	L	N	1		80020	160348
2	G	1201	L	N	0		80003	160001
2	G	1221	W	N	1		80023	160463
3	G	1224	W	N	2		80031	160532
3	G	1218	L	N	1		80025	160392
4	G	1206	D	N	1		80008	160117
4	G	1217	D	N	1		80019	160369
5	G	1222	L	N	0		80011	160486
5	G	1204	W	N	1		80022	160071
6	G	1213	W	N	1		80036	160279
6	G	1212	L	N	0		80029	160256
7	G	1208	W	N	2		80014	160163
7	G	1223	L	N	0		80006	160508
8	G	1219	W	N	1		80018	160416
8	G	1205	L	N	0		80012	160093
9	G	1215	D	N	1		80017	160324
9	G	1220	D	N	1		80010	160439
10	G	1203	L	N	0		80004	160047

Sample table: soccer_country:

country_id	country_abbr	country_name
1201	ALB	Albania
1202	AUT	Austria
1203	BEL	Belgium
1204	CRO	Croatia
1205	CZE	Czech Republic
1206	ENG	England
1207	FRA	France
1208	GER	Germany
1209	HUN	Hungary
1210	ISL	Iceland
1211	ITA	Italy
1212	NIR	Northern Ireland
1213	POL	Poland
1214	POR	Portugal
1215	IRL	Republic of Ireland
1216	ROU	Romania
1217	RUS	Russia
1218	SVK	Slovakia
1219	ESP	Spain
1220	SWE	Sweden
1221	SUI	Switzerland

SQL Code:

```sql
SELECT match_no,country_name,goal_score
FROM match_details a
JOIN soccer_country b
ON a.team_id=b.country_id
WHERE decided_by='N'
ORDER BY match_no;
```

Output:

```
 match_no |    country_name    | goal_score
----------+--------------------+------------
        1 | France             |          2
        1 | Romania            |          1
        2 | Albania            |          0
        2 | Switzerland        |          1
        3 | Wales              |          2
        3 | Slovakia           |          1
        4 | England            |          1
        4 | Russia             |          1
        5 | Turkey             |          0
        5 | Croatia            |          1
        6 | Poland             |          1
        6 | Northern Ireland   |          0
        7 | Germany            |          2
        7 | Ukraine            |          0
        8 | Spain              |          1
        8 | Czech Republic     |          0
        9 | Republic of Ireland |         1
        9 | Sweden             |          1
       10 | Belgium            |          0
       10 | Italy              |          2
       11 | Austria            |          0
       11 | Hungary            |          2
       12 | Portugal           |          1
       12 | Iceland            |          1
       13 | Russia             |          1
       13 | Slovakia           |          2
       14 | Romania            |          1
       14 | Switzerland        |          1
       15 | France             |          2
       15 | Albania            |          0
       16 | England            |          2
       16 | Wales              |          1
       17 | Ukraine            |          0
       17 | Northern Ireland   |          2
       18 | Germany            |          0
       18 | Poland             |          0
       19 | Italy              |          1
       19 | Sweden             |          0
       20 | Czech Republic     |          2
       20 | Croatia            |          2
       21 | Spain              |          3
       21 | Turkey             |          0
       22 | Belgium            |          3
       22 | Republic of Ireland |         0
       23 | Iceland            |          1
       23 | Hungary            |          1
       24 | Portugal           |          0
       24 | Austria            |          0
       25 | Romania            |          0
       25 | Albania            |          1
       26 | Switzerland        |          0
       26 | France             |          0
       27 | Russia             |          0
```