

We will be deriving points table for a typical tournament.

Here is the create and insert script below:

```
create table icc_world_cup
(
Team_1 Varchar(20),
Team_2 Varchar(20),
Winner Varchar(20)
);
INSERT INTO icc_world_cup values('India','SL','India');
INSERT INTO icc_world_cup values('SL','Aus','Aus');
INSERT INTO icc_world_cup values('SA','Eng','Eng');
INSERT INTO icc_world_cup values('Eng','NZ','NZ');
INSERT INTO icc_world_cup values('Aus','India','India');

select * from icc_world_cup;
```

Input:

Team_1	Team_2	Winner
India	SL	India
SL	Aus	Aus
SA	Eng	Eng
Eng	NZ	NZ
Aus	India	India

Explanation:

As we can see in the input there are 2 teams Team_1 and Team_2 and winner.

So, in India vs SL winner is India, SL Vs Aus winner is Aus in this way input is given

Output:

team	matches_played	matches_won	matches_lost
India	2	2	0
SL	2	0	2
SA	1	0	1
Eng	2	1	1
Aus	2	1	1
NZ	1	1	0

So, in the output we can see no of matches played, matches won, matches lost.

With the given input information, we have to retrieve the output as above.

Solution:

```
Select team,
count(team) as matches_played,
Sum(case when team = winner then 1 else 0 end) as matches_won,
(count(team) - Sum(case when team = winner then 1 else 0 end)) as matches_lost
FROM
(
    SELECT Team_1 as team, winner
    FROM icc_world_cup
    UNION ALL
    SELECT Team_2 as team, winner
    FROM icc_world_cup
) sub
GROUP BY 1
;
```

As we can see we are using subqueries here and combining the two columns using union all and finding the matches won, matches played, lost.