

## Chess Clubs

The National Chess Federation of some country coordinates the chess activities in that country. There are a number of chess clubs, each club has a number of members. Each chess club has a unique name. The members of the club are registered. No person can be member of more than one chess club. Each club member has a rating indicating the strength as a chess player.

A typical sample table is:

Club	Members	City												
For Fun	<table border="1"> <thead> <tr> <th>Id</th> <th>Name</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>S1001</td> <td>A. Loper</td> <td>1875</td> </tr> <tr> <td>S1002</td> <td>B. Paard</td> <td>1915</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table>	Id	Name	Rating	S1001	A. Loper	1875	S1002	B. Paard	1915	...	...	...	Venlo
	Id	Name	Rating											
	S1001	A. Loper	1875											
	S1002	B. Paard	1915											
...	...	...												
Sky High	<table border="1"> <thead> <tr> <th>Id</th> <th>Name</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>S1101</td> <td>C. Toren</td> <td>1900</td> </tr> <tr> <td>S1102</td> <td>D. Dame</td> <td>1905</td> </tr> <tr> <td>...</td> <td>...</td> <td>...</td> </tr> </tbody> </table>	Id	Name	Rating	S1101	C. Toren	1900	S1102	D. Dame	1905	...	...	...	Wijchen
	Id	Name	Rating											
	S1101	C. Toren	1900											
	S1102	D. Dame	1905											
...	...	...												
...	...	...												

Chess clubs will organize tournaments. Some tournaments (like the Open Championship in the example below) are yearly returning events. Otherwise they are uniquely determined by their name (like the Tulip Tournament in the example below). Only members of a chess club can participate in a tournament.

Tournaments can be sponsored by organizations or individuals. For organizations the company registration number is recorded. For individual sponsors who are members, only their member id is recorded. For individuals who are not member of a chess club, the city is recorded.

Some tournaments have various groups. In the example below, the Open Championship has an A-group and a B-group, that play a separate competition. So there will be a winner of the A-group and a winner of the B-group. The Tulip Tournament has a single group of players and thus a single winner.

Tournament	Year	Sponsors					Participants	
Open Championship	2008	<b>Name</b>	<b>City</b>	<b>Member Id</b>	<b>Company registration number</b>	<b>Amount (€)</b>	<b>Group</b>	<b>Player Id</b>
		Transport Systems	Leiden	-	06715423	5000	A	S1001
		J. Goodrich	Arnhem	-	-	1000	B	S1102
		A. Loper		S1001	-	500	B	S1250
...	...	...	...	...	...	...	...	
Open Championship	2009	<b>Name</b>	<b>City</b>	<b>Member Id</b>	<b>Company registration number</b>	<b>Amount (€)</b>	<b>Group</b>	<b>Player Id</b>
		Transport Systems	Leiden	-	06715423	5000	A	S1001
							A	S1102
							B	S1010
...	...	...	...	...	...	B	S1260	
...	...	...	...	...	...	...	...	
Tulip Tournament	2010	<b>Name</b>	<b>City</b>	<b>Member Id</b>	<b>Company registration number</b>	<b>Amount (€)</b>	<b>Player Id</b>	
		Transport Systems	Leiden	-	06715423	5000	S1050	
		A. Loper		S1001	-	500	S1060	
							S1102	
					S1250			
					...			

Matches between players are registered, since they are used to compute the ratings of the players. For each match it is recorded who was the white player and the black player, and the result (win,

draw or loss) from the point of view of the white player. Note that players may play against each other more than once in the same tournament. For example, the Tulip Tournament first has a group phase, and then concludes with a knock-out phase for the players that qualified in the group phase.

A typical sample table is:

<b>Tournament</b>	<b>Year</b>	<b>White</b>	<b>Black</b>	<b>Result</b>
Open Championship	2008	S1001	S1010	draw
Open Championship	2008	S1102	S1250	win
Tulip Tournament		S1050	S1060	draw
Tulip Tournament		S1101	S1260	loss
Tulip Tournament		S1101	S1260	loss
Tulip Tournament		S1050	S1060	win
...	...	...	...	...