



PID >> Age, Fname, Lname, PhoneNumber, Address
CoachesonTeams PID,TID>>coaches PID, Teams TID
CoachRole RID>>Title
Teams TID >> NAME
AgeGroups AGID>>Age

Because each of my tables only has one key associated with it all other non-key attributes fall under that primary key. Athletes have a one to many relationship with teams but can only play one team this is indicated by a composite key in AthletesonTeams PID,TID. Similarly the coaches table is dependent on the role of the coaches and the age group that they play in. Each coach is allowed to have either the head coach or assistant coach role but can only have one instance in each league. Because of these restrictions the database is in 3NF.

```
create view TeamsIn10To14AgeGroup as
select Teams.tid, Teams.name
from Teams , AgeGroups
where AgeGroups.youngest = 10 and
AgeGroups.oldest = 14 and AgeGroups.AGID = Teams.AGID;
```