

1) Functional Dependencies

People:

firstName and lastName depend on pid

address depends on pid

phoneNumber depends on pid

Players:

aid depends on plid

tid depends on plid

Head Coaches:

yearsOfCoaching depends on cid

Assistant Coaches:

yearsOfCoaching depends on acid

Teams:

cid depends on tid

aid depends on tid

nameOfTeam depends on tid

Age Group:

under10years depends on aid

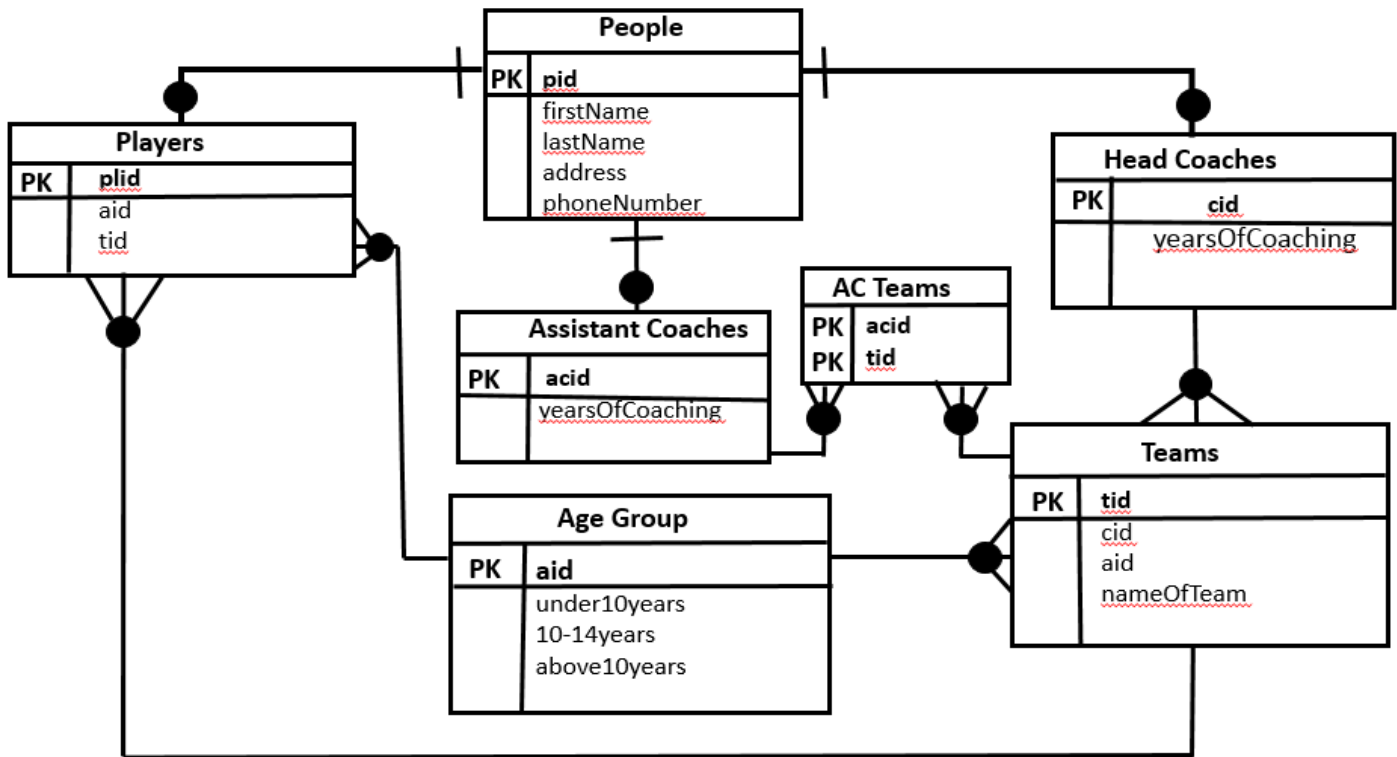
10 -14years depends on aid

above10years depends on aid

AC Teams:

No functional dependencies, acid and tid are the composite key for the table.

2)



3) The database is in 3NF because the intersection between every row and column is atomic. There are no multiple key dependencies in any of the tables.