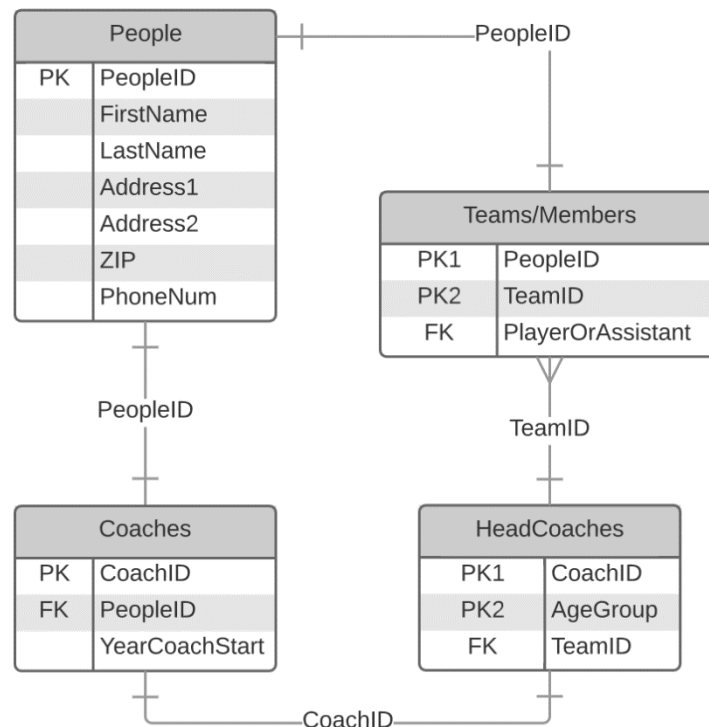


Lab 9: Normalization Three

1.)



2.) Functional Dependencies:

People Table:

PeopleID \rightarrow FirstName, LastName, Address1, Address2, ZIP, PhoneNum

Team/Members Table:

PeopleID/TeamID \rightarrow PlayerOrAssistant

Coaches Table:

CoachID \rightarrow PeopleID, YearCoachStart

HeadCoaches Table:

CoachID/AgeGroup \rightarrow TeamID

3.) The database is in 1NF because there are no duplicate rows in any table; it is in 2NF because it is in 1NF and because each functional dependency relies upon each table's entire PK. Finally, it is in 3NF because each functional dependency relies upon nothing but the PK in each table.