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Database Lab 9

1. Identify and document all functional dependencies.

PeopleID --> firstName, lastName, streetAddress, dateOfBirth, phoneNumber

(PlayerID, PeopleID, AgeID, TeamID) --> None

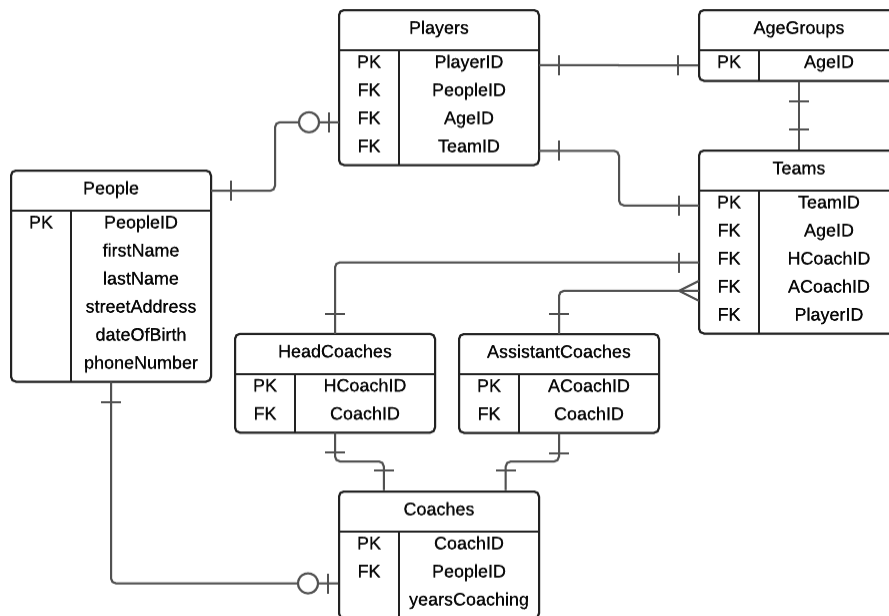(CoachID, PeopleID) --> yearsCoaching

(HCoachID, CoachID) --> None

(ACoachID, CoachID) --> None

(TeamID, AgeID, HCoachID, ACoachID, PlayerID) --> None

AgeID --> None

2. Draw a fully annotated E/R diagram that illustrates the Platonic ideal of beautiful and correct relational database design.

3. Convince me that your database is in 3NF (or even better, in Boyce-Codd Normal Form).

The database is in third normal form due to there not being any repeating groups of data due to unique identification numbers for each person, team, and age. There is an unique table for each group of related values and there are no fields that require a set of values.