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Functional Dependencies:

People

pid \rightarrow fname

pid \rightarrow lname

pid \rightarrow address

pid \rightarrow phoneNumber

Players

pid \rightarrow tid

Coaches

cid \rightarrow years

Teams

tid \rightarrow name

tid \rightarrow gid

Groups

gid \rightarrow ageRange

This is in BCNF because there are no transitive dependencies. There are no delete, update, or insert anomalies. Ex: You can insert a team with only the required information (their age group) without knowing other details such as their players or coaches. There is no irrelevant data in any of the tables.

View statement:

(NOTE: in my database, below 10 is group 1, 10-14 is group 2, 14+ is group 3)

CREATE VIEW Group2Teams AS

SELECT t.name

FROM teams t

WHERE gid = 2;

