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Lab 9

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**Functional Dependencies:**

People Table

PeopleID  $\rightarrow$  FirstName, LastName, Age, Address, ZipCode, PhoneNumber

Zip Code Table

ZipCode  $\rightarrow$  Country, City, State

Coach Table

Coach\_ID  $\rightarrow$  Years\_Coaching

Head\_Coach Table

(Coach\_ID, TeamType)  $\rightarrow$  TeamName

Assistant\_Check Table

(Coach\_ID)  $\rightarrow$

Assistant\_Coach Table

(Coach\_ID, Team\_Name)  $\rightarrow$  TeamType

Player Table

(Player\_ID, TeamType)  $\rightarrow$  Team\_Name

Team Table

(Team\_Name, TeamType)  $\rightarrow$  Coach\_ID

## My Defense

My database is in 3<sup>rd</sup> NF because each attribute is solely dependent through primary keys and composite keys. What is helping my DB be in 3NF is the fact that unique constraints will be placed on composite keys to make sure that there is no repetition. What this will do is get the information slower but make sure it is accurate.

