Assignment #6

Team Members
Omaid Nadi - 500777929 - omaid.nadi@ryerson.ca

Waqas Jalali - 500899545 - wjalali@ryerson.ca

Functional Dependencies

Players(Player_ID, Name, Height, Weight, Position, Jersy_No, Team_name)
Player_ID -> Name
Player_ID -> Height
Player_ID -> Weight
Player_ID -> Position
Player_ID -> Jersy_No
Player_ID -> Team_name

Teams(Team_ID, Team_Name, City_State, gm)
Team_ID -> Team_Name
Team_ID -> City_State
Team_ID -> gm
gm -> City_State, Team_Name (since gm's are unique to each team. Knowing gm would mean you know the City_State and Team_Name)
Team_Name -> City_State, gm (since Team_Name is also unique to each team. Knowing Team_Name would mean you know the City_State and Team_Name)

Players_Stats(Player_ID, Blocks, Steals, Avg_Points, Total_Points, Games_Played, assists, rebounds, FreeThrowPercent)
No FD, because table has a many to many relationship.

Team_Stats(Team_ID, Wins, Losses, Total_Points, Steals, Rebounds, Assists, Blocks, FT_Percentage)
No FD, because table has a many to many relationship.

Stadium(Stadium_ID, Capacity, Stadium_Name, Stadium_City)
Stadium_ID -> Capacity
Stadium_ID -> Stadium_Name
Stadium_ID -> Stadium_City

Schedule(Match_ID, Stadium_ID, Team_ID_1, Team_ID_2, Match_Name, DateTime_Schedule)

Match_ID -> Team_ID_1
Match_ID -> Team_ID_2
Match_ID -> Match_Name
Match_ID -> DateTime_Schedule
Match_ID -> Stadium_ID (since the match determines which stadium game was played at)