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CREATE TABLE users (
    username varchar(30) NOT NULL UNIQUE,
    password varchar(30) NOT NULL,
    email varchar(30) NOT NULL UNIQUE,
    PRIMARY KEY (username)
);
/* Schema: users(username, password, email)
* FDs: (username -> email, username -> password, email -> username, email -> password)
* Candidate keys: (username), (email)
*/

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CREATE TABLE f_leagues(
    score_settings varchar(30),
    max_size int,
    name varchar(30),
    leagueID int NOT NULL AUTO_INCREMENT,
    date_created date,
    PRIMARY KEY (leagueID)
);
/* Schema: f_leagues(leagueID, score_settings, max_size, name, date_created)
* FDs: (leagueID -> score_settings, leagueID -> max_size,
* leagueID -> name, leagueID -> date_created)
* Candidate keys: (leagueID)
*/

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CREATE TABLE players (
    playerID int AUTO_INCREMENT,
    name varchar(30),
    hometown varchar(30),
    height int,
    weight int,
    dob date,
    PRIMARY KEY (playerID)
);
/* Schema: players(playerID, name, hometown, height, weight, dob)
* FDs: (playerID -> name, playerID -> hometown, playerID -> height,
* playerID -> weight, playerID -> dob)
* Candidate keys: (playerID)
*/

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CREATE TABLE nhl_teams (
    name varchar(30),

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    city varchar(30),
    PRIMARY KEY (name)
);
/* Schema: nhl_teams(name, city)
* FDs: (name -> city)
* Candidate keys: (name)
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CREATE TABLE seasons (
    season VARCHAR(30),
    PRIMARY KEY (season)
);
/* Schema: seasons(season)
* FDs:
* Candidate keys: (season)
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CREATE TABLE f_teams (
    name varchar(30),
    username varchar(30),
    season varchar(30),
    leagueID int,
    PRIMARY KEY (name, leagueID),
    FOREIGN KEY (leagueID) REFERENCES f_leagues(leagueID),
    FOREIGN KEY (username) REFERENCES users(username)
);
/* Schema: f_teams(name, username, season, leagueID)
* FDs: (name, leagueID -> username, name, leagueID -> season)
* Candidate keys: (name, leagueID)
*/

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CREATE TABLE season_records (
    playerID int,
    team varchar(30),
    season varchar(30),
    games int,
    goals int,
    assists int,
    toi real,
    PRIMARY KEY (playerID, team, season),
    FOREIGN KEY (playerID) REFERENCES players(playerID),
    FOREIGN KEY (team) REFERENCES nhl_teams(name),
    FOREIGN KEY (season) REFERENCES seasons(season)

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);
/* Schema: season_records(playerID, team, season, games, goals, assists, toi)
* FDs: ((playerID, team, season) -> games, (playerID, team, season) -> goals, (playerID,
team, season) -> assists, (playerID, team, season) -> toi)
* Candidate keys: (playerID, team, season)
*/
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CREATE TABLE player_assignments (
    playerID int,
    teamName varchar(30),
    points int,
    leagueID int,
    PRIMARY KEY (playerID, teamName, leagueID)
    FOREIGN KEY (playerID) REFERENCES players(playerID),
    FOREIGN KEY (teamName, leagueID) REFERENCES f_teams (name, leagueID)
);
/* Schema: player_assignments(playerID, teamName, leagueID)
* FDs:
* Candidate keys: playerID, teamName, leagueID
*/
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CREATE TABLE plays_for(
    playerID int,
    teamName varchar(30),
    gamesPlayed int;
    goals int,
    hits int,
    giveaways int,
    takeaways int,
    penalties_drawn int,
    sacorsi real,
    qot real,
    qoc real,
    ozs real,
    toi int,
    season varchar(30),
    PRIMARY KEY (playerID, teamName, season)
    FOREIGN KEY (playerID) REFERENCES players(playerID),
    FOREIGN KEY (teamName) REFERENCES nhl_teams (name),
    FOREIGN KEY (season) REFERENCES seasons(season)
);
/* Schema: plays_for(playerID, teamName, gamesPlayed, goals, hits, giveaways, takeaways,
penalties_drawn, sacorsi, qot, qoc, ozs, toi, season)
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* **FDs:** (playerID, teamName, season) -> goals, (playerID, teamName, season) -> hits,
(playerID, teamName, season) -> giveaways, (playerID, teamName, season) -> takeaways,
(playerID, teamName, season) -> penalties_drawn, (playerID, teamName, season) -> sacorsi,
(playerID, teamName, season) -> qot, (playerID, teamName, season) -> qoc, (playerID,
teamName, season) -> ozs, (playerID, teamName, season) -> toi
* **Candidate keys:** (playerID, teamName, season)
*/

```
CREATE TABLE prospects(  
    playerID int,  
    teamName varchar(30),  
    PRIMARY KEY (playerID)  
);  
/* Schema: prospects(playerID, teamName)  
* FDs: None  
* Candidate keys: (playerID)  
*/
```