

DDL Statements, CREATE Tables – Appendix A

```
1 CREATE TABLE `team_revenue` (  
2   `Team_name` varchar(30) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `T_ticket_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
5   `T_apparel_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
6   `T_misc_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
7   PRIMARY KEY (`Team_name`, `Season_yr`),  
8   KEY `FK_TRevToT_idx` (`Team_name`),  
9   KEY `FK_TRevToSzn_idx` (`Season_yr`),  
10  CONSTRAINT `FK_TRevToSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE,  
11  CONSTRAINT `FK_TRevToT` FOREIGN KEY (`Team_name`) REFERENCES `team` (`Team_name`) ON DELETE CASCADE ON UPDATE CASCADE  
12 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `team` (  
2   `Team_name` varchar(30) NOT NULL,  
3   `Team_conference` varchar(30) NOT NULL,  
4   `Team_stadium` varchar(3) NOT NULL,  
5   `Team_city` varchar(30) NOT NULL,  
6   `Team_state` varchar(30) NOT NULL,  
7   `Team_roster_size` int NOT NULL DEFAULT '0',  
8   `Team_popscore` decimal(5,2) NOT NULL DEFAULT '0.00',  
9   PRIMARY KEY (`Team_name`),  
10  KEY `FK_TeamConf_idx` (`Team_conference`),  
11  KEY `FK_TeamStadium_idx` (`Team_stadium`),  
12  CONSTRAINT `FK_TeamConf` FOREIGN KEY (`Team_conference`) REFERENCES `conference` (`Conference_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
13  CONSTRAINT `FK_TeamStadium` FOREIGN KEY (`Team_stadium`) REFERENCES `stadium` (`Stadium_id`) ON DELETE CASCADE ON UPDATE CASCADE,  
14  CONSTRAINT `team_chk_1` CHECK (((0.00 <= `team_popscore`) <= 100.00))  
15 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `stadium_revenue` (  
2   `Stadium_id` varchar(3) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `S_ticket_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
5   `S_membership_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
6   `S_concession_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
7   `S_store_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
8   PRIMARY KEY (`Stadium_id`, `Season_yr`),  
9   KEY `FK_SRevToS_idx` (`Stadium_id`),  
10  KEY `FK_SRevToSzn_idx` (`Season_yr`),  
11  CONSTRAINT `FK_SRevToS` FOREIGN KEY (`Stadium_id`) REFERENCES `stadium` (`Stadium_id`) ON DELETE CASCADE ON UPDATE CASCADE,  
12  CONSTRAINT `FK_SRevToSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE  
13 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `stadium` (  
2   `Stadium_id` varchar(3) NOT NULL,  
3   `Stadium_name` varchar(30) NOT NULL,  
4   `Stadium_location` varchar(30) NOT NULL,  
5   `Max_capacity` int NOT NULL,  
6   PRIMARY KEY (`Stadium_id`)  
7 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

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```
1 CREATE TABLE `season` (  
2   `Season_yr` char(9) NOT NULL,  
3   `Champ_team` varchar(30) DEFAULT NULL,  
4   `Gross_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
5   PRIMARY KEY (`Season_yr`),  
6   CONSTRAINT `yr_format` CHECK ((`Season_yr` like _utf8mb4'____-____'))  
7 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `playoff_seed` (  
2   `Conference_name` varchar(20) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `Seed_one` varchar(30) DEFAULT NULL,  
5   `Seed_two` varchar(30) DEFAULT NULL,  
6   `Seed_three` varchar(30) DEFAULT NULL,  
7   `Seed_four` varchar(30) DEFAULT NULL,  
8   `Seed_five` varchar(30) DEFAULT NULL,  
9   `Seed_six` varchar(30) DEFAULT NULL,  
10  `Seed_seven` varchar(30) DEFAULT NULL,  
11  `Seed_eight` varchar(30) DEFAULT NULL,  
12  KEY `FK_PSeedToC_idx` (`Conference_name`),  
13  KEY `FK_PSeedToSzn_idx` (`Season_yr`),  
14  CONSTRAINT `FK_PSeedToC` FOREIGN KEY (`Conference_name`) REFERENCES `conference` (`Conference_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
15  CONSTRAINT `FK_PSeedToSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE  
16 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `player_stat` (  
2   `Player_id` varchar(9) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `Points` int NOT NULL DEFAULT '0',  
5   `Assists` int NOT NULL DEFAULT '0',  
6   `Rebounds` int NOT NULL DEFAULT '0',  
7   `Turnovers` int NOT NULL DEFAULT '0',  
8   `Field_goal_pct` decimal(5,2) NOT NULL DEFAULT '0.00',  
9   `Three_pt_pct` decimal(5,2) NOT NULL DEFAULT '0.00',  
10  `Plus_minus` int NOT NULL DEFAULT '0',  
11  `Minutes_played` int NOT NULL DEFAULT '0',  
12  `Games_played` int NOT NULL,  
13  KEY `FK_PStatToP_idx` (`Player_id`),  
14  KEY `FK_PStatToSzn_idx` (`Season_yr`),  
15  CONSTRAINT `FK_PStatToP` FOREIGN KEY (`Player_id`) REFERENCES `player` (`Player_id`) ON DELETE CASCADE ON UPDATE CASCADE,  
16  CONSTRAINT `FK_PStatToSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE,  
17  CONSTRAINT `player_stat_chk_1` CHECK (((0.00 <= `Field_goal_pct`) <= 100.00)),  
18  CONSTRAINT `player_stat_chk_2` CHECK (((0.00 <= `Three_pt_pct`) <= 100.00))  
19 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `player_revenue` (  
2   `Player_id` varchar(9) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `P_jersey_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
5   `P_apparel_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
6   `P_sponsor_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
7   `P_misc_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
8   PRIMARY KEY (`Season_yr`, `Player_id`),  
9   KEY `FK_PRevtoP_idx` (`Player_id`),  
10  CONSTRAINT `FK_PRevtoP` FOREIGN KEY (`Player_id`) REFERENCES `player` (`Player_id`) ON DELETE CASCADE ON UPDATE CASCADE,  
11  CONSTRAINT `FK_PRevtoSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE  
12 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

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```
1 CREATE TABLE `player` (  
2   `Player_id` varchar(9) NOT NULL,  
3   `P_fname` varchar(20) NOT NULL,  
4   `P_lname` varchar(20) NOT NULL,  
5   `P_suffix` varchar(5) DEFAULT NULL,  
6   `P_team` varchar(30) DEFAULT NULL,  
7   `P_popscore` decimal(5,2) NOT NULL DEFAULT '0.00',  
8   PRIMARY KEY (`Player_id`),  
9   KEY `FK_PlayerTeam_idx` (`P_team`),  
10  CONSTRAINT `FK_PlayerTeam` FOREIGN KEY (`P_team`) REFERENCES `team` (`Team_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
11  CONSTRAINT `player_chk_1` CHECK (((0.00 <= `P_popscore`) <= 100.00))  
12 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `owner` (  
2   `Owner_id` varchar(9) NOT NULL,  
3   `Team_name` varchar(30) DEFAULT NULL,  
4   `Owner_fname` varchar(20) NOT NULL,  
5   `Owner_lname` varchar(20) NOT NULL,  
6   `Owner_popscore` decimal(5,2) NOT NULL DEFAULT '0.00',  
7   PRIMARY KEY (`Owner_id`),  
8   KEY `FK_OwnerTeam_idx` (`Team_name`),  
9   CONSTRAINT `FK_OwnerTeam` FOREIGN KEY (`Team_name`) REFERENCES `team` (`Team_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
10  CONSTRAINT `owner_chk_1` CHECK (((0.00 <= `Owner_popscore`) <= 100.00))  
11 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci COMMENT=''
```

```
1 CREATE TABLE `media_revenue` (  
2   `Network_id` varchar(3) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `N_viewership_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
5   `N_sponsor_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
6   `N_subscription_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
7   PRIMARY KEY (`Network_id`, `Season_yr`),  
8   KEY `FK_MRevToM_idx` (`Network_id`),  
9   KEY `FK_MRevToSzn_idx` (`Season_yr`),  
10  CONSTRAINT `FK_MRevToM` FOREIGN KEY (`Network_id`) REFERENCES `media` (`Network_id`) ON DELETE CASCADE ON UPDATE CASCADE,  
11  CONSTRAINT `FK_MRevToSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE  
12 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `media` (  
2   `Network_id` varchar(3) NOT NULL,  
3   `Network_name` varchar(20) NOT NULL,  
4   `N_rating_pct` decimal(5,2) NOT NULL DEFAULT '0.00',  
5   PRIMARY KEY (`Network_id`),  
6   CONSTRAINT `media_chk_1` CHECK (((0.00 <= `N_rating_pct`) <= 100.00))  
7 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

DDL Statements, CREATE Tables – Appendix A

```
1 CREATE TABLE `head_coach` (  
2   `Coach_id` varchar(9) NOT NULL,  
3   `Team_name` varchar(30) DEFAULT NULL,  
4   `Coach_fname` varchar(20) NOT NULL,  
5   `Coach_lname` varchar(20) NOT NULL,  
6   `Coach_popscore` decimal(5,2) NOT NULL DEFAULT '0.00',  
7   PRIMARY KEY (`Coach_id`),  
8   KEY `FK_HCTeam_idx` (`Team_name`),  
9   CONSTRAINT `FK_HCTeam` FOREIGN KEY (`Team_name`) REFERENCES `team` (`Team_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
10  CONSTRAINT `head_coach_chk_1` CHECK (((0.00 <= `Coach_popscore`) <= 100.00))  
11 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `game_revenue` (  
2   `Game_id` varchar(9) NOT NULL,  
3   `Season_yr` char(9) NOT NULL,  
4   `G_ticket_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
5   `G_concession_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
6   `G_store_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
7   `G_sponsor_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
8   `G_media_rev` decimal(20,2) NOT NULL DEFAULT '0.00',  
9   PRIMARY KEY (`Game_id`),  
10  KEY `FK_GRevToG_idx` (`Game_id`),  
11  KEY `FK_GRevToSzn_idx` (`Season_yr`),  
12  CONSTRAINT `FK_GRevToG` FOREIGN KEY (`Game_id`) REFERENCES `game` (`Game_id`) ON DELETE CASCADE ON UPDATE CASCADE,  
13  CONSTRAINT `FK_GRevToSzn` FOREIGN KEY (`Season_yr`) REFERENCES `season` (`Season_yr`) ON DELETE CASCADE ON UPDATE CASCADE  
14 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `game` (  
2   `Game_id` varchar(9) NOT NULL,  
3   `Date` date NOT NULL,  
4   `Stadium_id` varchar(30) NOT NULL,  
5   `Home_team` varchar(30) NOT NULL,  
6   `Away_team` varchar(30) NOT NULL,  
7   `Home_fscore` int NOT NULL DEFAULT '0',  
8   `Away_fscore` int NOT NULL DEFAULT '0',  
9   PRIMARY KEY (`Game_id`),  
10  KEY `FK_GameStadium_idx` (`Stadium_id`),  
11  KEY `FK_GameTeam_idx` (`Home_team`, `Away_team`),  
12  KEY `FK_GameHome_idx` (`Home_team`),  
13  KEY `FK_GameAway_idx` (`Away_team`),  
14  CONSTRAINT `FK_GameAway` FOREIGN KEY (`Away_team`) REFERENCES `team` (`Team_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
15  CONSTRAINT `FK_GameHome` FOREIGN KEY (`Home_team`) REFERENCES `team` (`Team_name`) ON DELETE CASCADE ON UPDATE CASCADE,  
16  CONSTRAINT `FK_GameStadium` FOREIGN KEY (`Stadium_id`) REFERENCES `stadium` (`Stadium_id`) ON DELETE CASCADE ON UPDATE CASCADE  
17 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
1 CREATE TABLE `conference` (  
2   `Conference_name` varchar(20) NOT NULL,  
3   `Conference_size` int NOT NULL DEFAULT '0',  
4   PRIMARY KEY (`Conference_name`)  
5 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```