

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
```

DDL Statements, CREATE Tables – Appendix A

```
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
```

DDL Statements, CREATE Tables – Appendix A

```
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
```