### **Create table PLayer**

| Column Name | Data Type | Default | Check | Key/ Index/ Constraint |
| --- | --- | --- | --- | --- |
| ID | Nvarchar(30) |  |  | Primary key |
| Name | Nvarchar(30) |  |  | Not null |
| Role | Nvarchar(10) |  |  | Not null,  FOREIGN KEY(RoleID) REFERENCES dbo.Role(ID) |
| Country | Nvarchar(10) |  |  | Not null |
| Team | Nvarchar(10) |  |  | FOREIGN KEY(TeamID) REFERENCES dbo.Team(ID) |

***Code:***

--create table player

CREATE TABLE Player

(

ID NVARCHAR(15),

[Name] NVARCHAR(30) not null,

RoleID NVARCHAR(10) not null,

Country NVARCHAR(10) not null,

TeamID NVARCHAR(10),

PRIMARY KEY(ID),

FOREIGN KEY(RoleID) REFERENCES dbo.Role(ID),

FOREIGN KEY(TeamID) REFERENCES dbo.Team(ID)

)

***Example:***

| GuardID | Name | Role | Country | TeamID |
| --- | --- | --- | --- | --- |
| 5kid | Park Jeong-hyeon | Bot Laner | KR | KT |
| Arthur | Park Mi-reu | Jungler | KR | HLE |
| Bang | Bae Jun-sik | Bot lane | KR | AF |

### **Create table Role**

| Column Name | Data Type | Default | Check | Key/ Index/ Constraint |
| --- | --- | --- | --- | --- |
| ID | Nvarchar(10) |  |  | Primary key |
| Description | Text |  |  | Not null |

***Code:***

--create table role

CREATE TABLE [Role]

(

ID NVARCHAR(10) not null,

[Description] TEXT not null

PRIMARY KEY(ID)

)

***Example:***

| ID | Description |
| --- | --- |
| Top Laner |  |
| Jungler |  |
| Mid Laner |  |
| Bot Laner |  |
| Support |  |

### **Create table match**

| Column Name | Data Type | Default | Check | Key/ Index/ Constraint |
| --- | --- | --- | --- | --- |
| ID | Int |  |  | Primary key |
| Team 1 | Nvarchar(10) |  |  | Not null, FOREIGN KEY(Team1) REFERENCES dbo.Team(ID) |
| Team 2 | Nvarchar(10) |  |  | Not null, FOREIGN KEY(Team2) REFERENCES dbo.Team(ID), |
| Team 1 Result | Int |  |  | Not null |
| Team 2 Result | Int |  |  | Not null |
| Date | Date |  |  |  |
| MatchMVP | Nvarchar(15) |  |  | Not null, FOREIGN KEY(MatchMVP) REFERENCES dbo.Player(ID) |

***Code:***

CREATE TABLE [Match]

(

ID INT,

Team1 NVARCHAR(10) NOT NULL,

Team2 NVARCHAR(10) NOT NULL,

Team1Result INT,

Team2Result INT,

[Date] DATE,

MatchMVP NVARCHAR(15),

PRIMARY KEY(ID),

FOREIGN KEY(Team1) REFERENCES dbo.Team(ID),

FOREIGN KEY(Team2) REFERENCES dbo.Team(ID),

FOREIGN KEY(MatchMVP) REFERENCES dbo.Player(ID)

)

***Example:***

| ID | Team 1 | Team 2 | Team 1 result | Team 2 result | Date | Match MVP |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | KT | T1 | 0 | 2 | 1/9/2021 | Hoit |
| 2 | NS | DRX | 1 | 2 | 1/7/2021 | Effort |
| 3 | HLE | NS | 1 | 2 | 1/5/2021 | Dove |

### Create TABLE **team**

| Column Name | Data Type | Default | Check | Key/ Index/ Constraint |
| --- | --- | --- | --- | --- |
| ID | Nvarchar(10) |  |  | Primary key |
| Coach | Nvarchar(10) |  |  | Not null |

***Code:***

--create table manager team

CREATE TABLE Team

(

ID NVARCHAR(10),

Coach NVARCHAR(10)

PRIMARY KEY(ID)

)

***Example:***

| ID | Coach |
| --- | --- |
| AF | 8571 |
| BRO | 55141 |
| DRX | 87469 |

### create table oganize

| Column Name | Data Type | Default | Check | Key/ Index/ Constraint |
| --- | --- | --- | --- | --- |
| OrganizeID | Int |  |  | Primary key |
| MatchID | Int |  |  | FOREIGN KEY(MatchID) REFERENCES dbo.Match(ID) |
| TakecareID | Int |  |  |  |
| RefereeName | Nvarchar(20) |  |  |  |
| Technican | Nvarchar(20) |  |  |  |
| MCName | Nvarchar(20) |  |  |  |

***Code:***

--create table register

CREATE TABLE Organize

(

OrganizeID INT,

MatchID INT,

TakecareID INT,

RefereeName NVARCHAR(10),

Technican NVARCHAR(20),

MCName NVARCHAR(30)

PRIMARY KEY(OrganizeID)

FOREIGN KEY(MatchID) REFERENCES dbo.Match(ID),

)

***Example:***

| OrganizeID | MatchID | TakecareID | RefereeName | Technican | MC name |
| --- | --- | --- | --- | --- | --- |
| 1 | 69 | 43 | Melvin | LI 39 11 60 I | Salvatore0 |
| 2 | 83 | 99 | Harvey | OA 35 40 14 S | Larry |
| 3 | 4 | 52 | Malcolm | QM 72 75 59 K | Marshall |

### create table **take care**

| Column Name | Data Type | Default | Check | Key/ Index/ Constraint |
| --- | --- | --- | --- | --- |
| ID | Int |  |  | Primary key |
| Position | Nvarchar(20) |  |  |  |
| OrganizeID | Int |  |  | FOREIGN KEY(OrganizeID) REFERENCES dbo.Organize(OrganizeID) |

***Code:***

--create table items

CREATE TABLE [Take care]

(

ID INT,

Position NVARCHAR(20),

OrganizeID INT,

PRIMARY KEY(ID),

FOREIGN KEY(OrganizeID) REFERENCES dbo.Organize(OrganizeID)

)

***Example:***

| ID | Position | OrganizeID |
| --- | --- | --- |
| 1 | Technical | 5 |
| 2 | Prepaid Customer | 6 |
| 3 | Prepaid Customer | 17 |