SQL Queries; -

1.Create a Database schema

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2.Use database

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3.Create a table ‘TEAM’ set Cid as a primary key and CName as unique.

Create table TEAM (

Cid INT NOT NULL,

CName VARCHAR (15),

Continent VARCHAR (15),

Confederation VARCHAR (15),

Population INT,

UNIQUE(CName),

PRIMARY KEY(Cid)

);

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4. Create a table ‘STADIUM’ by setting ‘Sid’ as a primary key

Create table STADIUM (

Sid INT NOT NULL,

SName VARCHAR (15),

City VARCHAR (15),

Capacity INT,

PRIMARY KEY(Sid)

);

Added SName attribute as unique.

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5. Create a table ‘GAME’ by setting Gid as a primary key, Sid as a foreign key referencing table STADIUM, Team1\_Cid as a foreign key referencing table TEAM, Team2\_Cid as a foreign key referencing table TEAM

Create table GAME (

Gid INT NOT NULL,

GType VARCHAR (15),

Gdate DATE,

Sid INT NOT NULL,

Team1\_Cid INT NOT NULL,

Team2\_Cid INT NOT NULL,

Team1\_Score INT,

Team2\_Score INT,

PRIMARY KEY(Gid),

FOREIGN KEY(Sid) REFERENCES STADIUM(Sid),

FOREIGN KEY(Team1\_Cid) REFERENCES TEAM(Cid),

FOREIGN KEY(Team2\_Cid) REFERENCES TEAM(Cid)

);

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6. Create a table ‘PLAYER’ by setting (Cid,PNo) as a primary key, Cid as foreign key referencing table TEAM

Create table PLAYER (

Cid INT NOT NULL,

PNo INT NOT NULL,

PName VARCHAR (15),

PJName VARCHAR (20),

Playing\_Position VARCHAR (10),

Height FLOAT (5,2),

Weight FLOAT (7,2),

Club VARCHAR (10),

Birthdate DATE,

PRIMARY KEY(Cid,PNo),

FOREIGN KEY(Cid) REFERENCES TEAM(Cid)

);

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7. Create a table ‘GOALS’ by setting (Gid,G\_Time,PNo,Cid) as a primary key, (PNo, Cid) as foreign key referencing table PLAYER, Gid as FOREIGN KEY referencing TABLE GAME

Create table GOALS (

Gid INT NOT NULL,

G\_Time TIME NOT NULL,

G\_Type VARCHAR (10) NOT NULL,

PNo INT NOT NULL,

Cid INT NOT NULL,

PRIMARY KEY(Gid,G\_Time,PNo,Cid),

FOREIGN KEY (PNo, Cid) REFERENCES PLAYER (Cid, PNo),

FOREIGN KEY (Gid) REFERENCES GAME(Gid)

);

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8. Create a table ‘CARDS’ by setting (Gid, C\_Time,PNo, Cid) as a primary key, ( Gid) as foreign key referencing table GAME, (Cid, PNo) as FOREIGN KEY referencing TABLE PLAYER(Cid, PNo)

Create table CARDS (

Gid INT NOT NULL,

C\_Time TIME NOT NULL,

Issued\_By VARCHAR (10) NOT NULL,

C\_Type VARCHAR (10) NOT NULL,

PNo INT NOT NULL,

Cid INT NOT NULL,

PRIMARY KEY (Gid, C\_Time, PNo, Cid),

FOREIGN KEY (Gid) REFERENCES GAME(Gid),

FOREIGN KEY (Cid, PNo) REFERENCES PLAYER (Cid, PNo)

);

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9. Create a table ‘STARTING\_LINEUP by setting (Gid, Cid, PNo) as a primary key, (Gid) as foreign key referencing table GAME, (Cid, PNo) as FOREIGN KEY referencing TABLE PLAYER (Cid, PNo)

Create table STARTING\_LINEUP (

Gid INT NOT NULL,

Cid INT NOT NULL,

PNo INT NOT NULL,

PRIMARY KEY (Gid, Cid, PNo),

FOREIGN KEY (Gid) REFERENCES GAME(Gid),

FOREIGN KEY (Cid, PNo) REFERENCES PLAYER (Cid, PNo)

);

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10. Create a table ‘SUBSTITUTION’ by setting (Gid, Cid, PNo) as a primary key, (Gid) as foreign key referencing table GAME, (Cid, PNo) as FOREIGN KEY referencing TABLE PLAYER (Cid, PNo), attribute sub\_PNo as a foreign key referencing the TABLE PLAYER(PNo)

Create table SUBSTITUION (

Gid INT NOT NULL,

Cid INT NOT NULL,

PNo INT NOT NULL,

S\_Minute TIME NOT NULL,

Sub\_PNo INT NOT NULL,

FOREIGN KEY (Gid) REFERENCES GAME(Gid),

FOREIGN KEY (Cid ,Sub\_PNo) REFERENCES PLAYER(Cid,PNo),

FOREIGN KEY (Cid, PNo) REFERENCES PLAYER (Cid, PNo)

);

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Schema Diagram

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