

## Question 1

1.1

```
CREATE DATABASE GAMES
```

```
GO
```

```
USE GAMES
```

```
GO
```

```
CREATE TABLE TEAM (
```

```
teamID VARCHAR(10) PRIMARY KEY NOT NULL,
```

```
teamName VARCHAR(100) NOT NULL
```

```
)
```

```
CREATE TABLE STADIUM (
```

```
stadiumID VARCHAR(10) PRIMARY KEY NOT NULL,
```

```
stadiumName varchar(255) NOT NULL,
```

```
stadiumAddress varchar(255) NOT NULL,
```

```
)
```

```
GO
```

```
CREATE TABLE GAME (
```

```
gameID VARCHAR(10) PRIMARY KEY NOT NULL,
```

```
teamID_TeamA VARCHAR(10) FOREIGN KEY REFERENCES TEAM(teamID) NOT NULL,
```

```
teamID_TeamB VARCHAR(10) FOREIGN KEY REFERENCES TEAM(teamID) NOT NULL,
```

```
stadiumID VARCHAR(10) FOREIGN KEY REFERENCES STADIUM(stadiumID) NOT NULL,
```

```
gameDate VARCHAR(50) NOT NULL,
```

```
gameTime VARCHAR(50) NOT NULL,
```

```
gameDuration INT NOT NULL
```

```
)
```

```
GO
```

## 1.2

```
INSERT INTO TEAM(teamID, teamName) VALUES ('T001', 'Blaze Battalion'), ('T002', 'Phantom Strikers'), ('T003', 'Wild Stallions'), ('T004', 'Crimson Vipers'), ('T005', 'Midnight Raiders')
```

```
INSERT INTO STADIUM(stadiumID, stadiumName, stadiumAddress) VALUES
```

```
('S001', 'Titan Field', '167 Pert Road, Johannesburg'),
```

```
('S002', 'Victory Park', '5 Second Avenue, Gqeberha'),
```

```
('S003', 'Apex Arena', '33 Bertha Mkhize Street, Durban'),
```

```
('S004', 'Thunder Dome', '27 Bram Fischer Road, Durban'),
```

```
('S005', 'Horizon Stadium', '210 Du Toit Street, Tshwane')
```

GO

```
INSERT INTO GAME(gameID, teamID_TeamA, teamID_TeamB, stadiumID, gameDate, gameTime, gameDuration) VALUES ('G001', 'T001', 'T002', 'S001', '5/7/2025', '14H00', 90), ('G002', 'T003', 'T005', 'S004', '6/7/2025', '11H00', 90), ('G003', 'T002', 'T003', 'S005', '7/7/2025', '19H00', 90), ('G004', 'T001', 'T005', 'S003', '8/7/2025', '18H00', 120), ('G005', 'T002', 'T005', 'S001', '9/7/2025', '18H00', 120)
```

GO

## 1.3

```
ALTER TABLE GAME ADD numberOfTickets INT
```

## 1.4

```
UPDATE GAME
```

```
SET numberOfTickets = 950
```

```
WHERE gameID = 'G003'
```

## Question 2

## 2.1

