**Creation Script**

-- Teams

CREATE TABLE Teams (

TeamID NUMERIC(2) PRIMARY KEY,

TeamName VARCHAR2(50) NOT NULL UNIQUE,

TeamPrincipalName VARCHAR2(50),

EngineSupplier VARCHAR2(50)

);

-- Drivers

CREATE TABLE Drivers (

DriverID NUMERIC(3) PRIMARY KEY,

FirstName VARCHAR2(50) NOT NULL,

LastName VARCHAR2(50) NOT NULL,

TeamID NUMERIC(2) NOT NULL,

Nationality VARCHAR2(50) NOT NULL,

DateOfBirth DATE,

CONSTRAINT fk\_driver\_team FOREIGN KEY (TeamID) REFERENCES Teams(TeamID)

);

-- Circuits

CREATE TABLE Circuits (

CircuitID NUMERIC(2) PRIMARY KEY,

CircuitName VARCHAR2(100) NOT NULL UNIQUE,

Country VARCHAR2(50) NOT NULL

);

-- Races

CREATE TABLE Races (

RaceID NUMERIC(2) PRIMARY KEY,

RaceName VARCHAR2(100) NOT NULL UNIQUE,

CircuitID NUMERIC(2) NOT NULL,

RaceDate DATE,

CONSTRAINT fk\_race\_circuit FOREIGN KEY (CircuitID) REFERENCES Circuits(CircuitID)

);

-- Results

CREATE TABLE Results (

ResultID NUMERIC(2) PRIMARY KEY,

RaceID NUMERIC(2) NOT NULL,

DriverID NUMERIC(3) NOT NULL,

DriverPosition NUMERIC(2),

Points NUMERIC(2),

CONSTRAINT fk\_results\_race FOREIGN KEY (RaceID) REFERENCES Races(RaceID),

CONSTRAINT fk\_results\_driver FOREIGN KEY (DriverID) REFERENCES Drivers(DriverID)

);

-- DriverOfTheDay

CREATE TABLE DriverOfTheDay (

RaceID NUMERIC(2) NOT NULL,

DriverID NUMERIC(3) NOT NULL,

PRIMARY KEY (RaceID, DriverID),

CONSTRAINT fk\_driver\_of\_the\_day\_race FOREIGN KEY (RaceID) REFERENCES Races(RaceID),

CONSTRAINT fk\_driver\_of\_the\_day\_driver FOREIGN KEY (DriverID) REFERENCES Drivers(DriverID)

);

-- FastestLap

CREATE TABLE FastestLap (

LapTime TIMESTAMP(3),

RaceID NUMERIC(2) NOT NULL,

DriverID NUMERIC(3) NOT NULL,

PRIMARY KEY (RaceID, DriverID),

CONSTRAINT fk\_fastest\_lap\_race FOREIGN KEY (RaceID) REFERENCES Races(RaceID),

CONSTRAINT fk\_fastest\_lap\_driver FOREIGN KEY (DriverID) REFERENCES Drivers(DriverID)

);

-- DNF (Did Not Finish)

CREATE TABLE DNF (

RaceID NUMERIC(2) NOT NULL,

DriverID NUMERIC(3) NOT NULL,

Reason VARCHAR2(255),

PRIMARY KEY (RaceID, DriverID),

CONSTRAINT fk\_dnf\_race FOREIGN KEY (RaceID) REFERENCES Races(RaceID),

CONSTRAINT fk\_dnf\_driver FOREIGN KEY (DriverID) REFERENCES Drivers(DriverID)

);

-- Qualifying

CREATE TABLE Qualifying (

QualifyingID NUMERIC(2) PRIMARY KEY,

QualifyingPosition NUMERIC(2) NOT NULL,

LapTime TIMESTAMP(3),

RaceID NUMERIC(2) NOT NULL,

DriverID NUMERIC(3) NOT NULL,

CONSTRAINT fk\_qualifying\_race FOREIGN KEY (RaceID) REFERENCES Races(RaceID),

CONSTRAINT fk\_qualifying\_driver FOREIGN KEY (DriverID) REFERENCES Drivers(DriverID)

);