1. Create the necessary tables for the identified database objects from the ER Diagram of your business domain with necessary constraints (Primary Key, Unique, Not Null, Check, Default and Foreign Key).

create table Football (

Admin\_Id varchar2(20) constraint Admin\_Id\_pk primary key,

Admin\_Name varchar2(50)not null,

Manager\_Name varchar2(50) not null,

Manager\_Id varchar2(50) not null,

Player\_Id varchar2(30)not null,

Game\_Data varchar2(50)not null);

alter set constraint

ALTER TABLE Manager ADD CONSTRAINT MyUniquekey UNIQUE (Email);

create table Manager (

Manager\_Name varchar2(50) NOT NULL,

Manager\_Id varchar2(30) constraint Manager\_Id\_pk primary key,

Address varchar2(80)NOT NULL,

Email varchar2(60)NOT NULL,

contact\_No varchar2(50)NOT NULL,

Age varchar2(30)NOT NULL,

Achievements varchar2(100)NOT NULL,

Previous\_Club varchar2(80)NOT NULL,

Admin\_Id varchar2(20) references Football( Admin\_Id));

create table Coach (

Coach\_Name varchar2(50) NOT NULL,

Coach\_Id varchar2(30) constraint Coach\_Id\_pk primary key,

Address varchar2(80)NOT NULL,

Email varchar2(60)NOT NULL,

Contact\_No varchar2(50)NOT NULL,

Age varchar2(30)NOT NULL,

Achievements varchar2(100)NOT NULL,

Previous\_Club varchar2(80)NOT NULL,

Manager\_Id varchar2(20) references Manager( Manager\_Id));

alter set constraint

ALTER TABLE Coach ADD CONSTRAINT MyUniquekey UNIQUE (Email);

create table Assistant\_coach (

Assist\_Coach\_Name varchar2(50)NOT NULL,

Assist\_Coach\_Id varchar2(30) constraint Assistant\_coach\_Id\_pk primary key,

Address varchar2(80)NOT NULL,

Email varchar2(60)NOT NULL,

Contact\_No varchar2(50)NOT NULL,

Age varchar2(30)NOT NULL,

Achievements varchar2(100)NOT NULL,

Previous\_Club varchar2(80)NOT NULL,

Coach\_Id varchar2(20) references Coach( Coach\_Id));

create table Gym\_Trainer (

Gym\_Trainer\_Name varchar2(50) not null,

Gym\_Trainer\_Id varchar2(30) constraint Gym\_Trainer\_pk primary key,

Address varchar2(80),

Email varchar2(60),

Contact\_No varchar2(50),

Age varchar2(30),

Special\_Workout\_Player varchar2(100),

Previous\_Club varchar2(80));

create table Physiotherapist (

Physiotherapist\_Name varchar2(50)NOT NULL,

Physiotherapist\_Id varchar2(30) constraint Physiotherapist\_Id\_pk primary key,

Address varchar2(80)NOT NULL,

Email varchar2(60)NOT NULL,

Contact\_No varchar2(50)NOT NULL,

Age varchar2(30)NOT NULL,

Special\_Exercise\_Player varchar2(100)NOT NULL,

Previous\_Club varchar2(80)NOT NULL,

Assist\_Coach\_Id varchar2(20) references Assistant\_coach(Assist\_Coach\_Id));

create table Dietitian (

Dietitian\_Name varchar2(50)NOT NULL,

Dietitian\_Id varchar2(30) constraint Dietitian\_Id\_pk primary key,

Address varchar2(80)NOT NULL,

Email varchar2(60)NOT NULL,

Contact\_No varchar2(50)NOT NULL,

Age varchar2(30)NOT NULL,

Special\_Diet\_player varchar2(100)NOT NULL,

Previous\_Club varchar2(80)NOT NULL,

Assist\_Coach\_Id varchar2(20) references Assistant\_coach(Assist\_Coach\_Id));

create table Game\_Data (

Game\_Id varchar2(30) constraint Game\_Id\_pk primary key,

Ball\_Possession varchar2(30)NOT NULL,

Keyy\_Chances varchar2(30)NOT NULL,

Goal\_Scored varchar2(20)NOT NULL,

Pass\_Completion varchar2(20)NOT NULL,

Interception varchar2(30)NOT NULL,

Assists varchar2(30)NOT NULL,

Yellow\_Card varchar2(30)NOT NULL,

Break\_The\_Defence varchar2(30)NOT NULL,

Admin\_Id varchar2(20) references Football( Admin\_Id));

create table Player (

Player\_Name varchar2(50)NOT NULL,

Player\_Id varchar2(30) constraint Player\_Id\_pk primary key,

Address varchar2(80)NOT NULL,

Email varchar2(60)NOT NULL,

Contact\_No varchar2(50)NOT NULL,

Age varchar2(30)NOT NULL,

Position varchar2(80)NOT NULL,

Admin\_Id varchar2(20) references Football( Admin\_Id));

create table Player\_Data (

Player\_Data\_Id varchar2(30) constraint Player\_Data\_Id\_pk primary key,

Health\_Details varchar2(50)NOT NULL,

Touches\_On\_Ball varchar2(50)NOT NULL,

Pass\_Completion varchar2(50)NOT NULL,

Pass\_Received varchar2(50)NOT NULL,

Pass\_Missed varchar2 (50)NOT NULL,

Goal\_Scored varchar2 (50)NOT NULL,

Key\_Pass varchar2 (50)NOT NULL,

Interceptions varchar2(50)NOT NULL,

Play\_Time varchar2(50)NOT NULL,

Position\_Of\_Player varchar2(50) NOT NULL,

Player\_Id varchar2(20) references Player( Player\_Id)

);

"Insert into the first table football"

insert into Football(

Admin\_Id,

Admin\_Name,

Manager\_Name,

Manager\_Id,

Player\_Id,

Game\_Data)values ('008','Reeve','Ajith','Man001','Pla001','Gd001');

"Insert into the first table Manager"

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Ajith','Man001','abc','xyz@gmail.com','1234567899','50','premier league','mancity');

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Bolt','Man002','agbc','xyzz@gmail.com','1234567599','54','ligue1 league','man united');

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,contact\_No,

Age,

Achievements,

Previous\_Club)

values ('zoom','Man003','bbc','yyz@gmail.com','1234567898','68','champions league','mancity');

"Insert into the first table Coach"

insert into Coach(

Coach\_Name,

Coach\_Id,

Address,

Email,

contact\_No,

Age,

Achievements

,Previous\_Club)

values ('Senthil','Coa003','abc','xyz@gmail.com','1234567899','58','Isl league',' city');

insert into Coach(

Coach\_Name,

Coach\_Id,

Address,

Email,

contact\_No,

Age,

Achievements

,Previous\_Club)

values ('Nadhan\_sir','Coa002','abc','xyzzz@gmail.com','1234547899','55','Isl league',' gg city');

"Insert into the first table Assistant coach"

insert into Assistant\_coach(

Assist\_coach\_Name,

Assist\_coach\_Id,

Address,

Email,

contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Neha','Acoa001','abc','xyz@gmail.com','1234567899','60','Christ league','jain');

insert into Assistant\_coach(

Assist\_coach\_Name,

Assist\_coach\_Id,

Address,

Email,

contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Aleena','Acoa002','abccc','xysz@gmail.com','1234563899','40','tow league','savior');

"Insert into the first table Gym Trainer"

insert into Gym\_Trainer(

Gym\_Trainer\_Name,

Gym\_Trainer\_Id,

Address,

Email,

contact\_No,

Age,

Special\_Workout\_Player,

Previous\_Club)

values ('Christina','Gt001','abc','xyz@gmail.com','1234567899','30','stregthening','mancity');

"Insert into the first table Physiotherapist"

insert into physiotherapist (

physiotherapist\_Name,

physiotherapist\_Id,

Address,

Email,

contact\_No,

Age,

Special\_Exercise\_Player,

Previous\_Club)

values ('Sathyam','Phy001','abc','xyz@gmail.com','1234567899','30','Condition','mancity');

"Insert into the first table Dietitian"

insert into Dietitian (

Dietitian\_Name,

Dietitian\_Id,

Address,

Email,

contact\_No,Age,

Special\_Diet\_Player,

Previous\_Club)

values ('Sneha','Die001','abc','xyz@gmail.com','1234567899','40','Renal','mancity');

"Insert into the first table Game data"

insert into Game\_Data

( Game\_Id,

Ball\_Possession,

Keyy\_Chances,

Goal\_Scored,

Pass\_Completion,

Interception,Assists,Yellow\_Card,Break\_The\_Defence)

values ('Pl01','10','5','4','7','8','10','10','8');

"Insert into the first table Player"

insert into Player(Player\_Name,

Player\_Id,

Address,

Email,

contact\_No,

Age,

position)

values ('sujith','pl01','abc','xxyz@gmail.com','1234567899','20','RW');

insert into Player(Player\_Name,

Player\_Id,

Address,

Email,

contact\_No,

Age,

position)

values ('vishnu','pl002','abec','xtyz@gmail.com','1234277899','20','lW');

insert into Player(Player\_Name,

Player\_Id,

Address,

Email,

contact\_No,

Age,

position)

values ('kiki','pl003','abc','xysz@gmail.com','1234544899','27','cb');

"Insert into the first table Player\_Data"

insert into Player\_Data (

Player\_Data\_Id,

Health\_Details,

Touches\_On\_Ball,

Pass\_Completion,

Pass\_Received,

Pass\_Missed,

Goal\_Scored,

Key\_Pass,

Interceptions,

Play\_Time,

Position\_Of\_Player)

values ('Pld001','fit','5','8','18','5','2','7','4','12','RW');

insert into Player\_Data (

Player\_Data\_Id,

Health\_Details,

Touches\_On\_Ball,

Pass\_Completion,

Pass\_Received,

Pass\_Missed,

Goal\_Scored,

Key\_Pass,

Interceptions,

Play\_Time,

Position\_Of\_Player)

values ('Pld002','fit','6','5','19','5','2','8','4','19','RW');

insert into Player\_Data (

Player\_Data\_Id,

Health\_Details,

Touches\_On\_Ball,

Pass\_Completion,

Pass\_Received,

Pass\_Missed,

Goal\_Scored,

Key\_Pass,

Interceptions,

Play\_Time,

Position\_Of\_Player)

values ('Pld003','un\_fit','8','8','18','12','1','9','14','15','RW');

select\*from Football;

select\*from Coach;

select\*from Assistant\_coach;

select\*from Gym\_Trainer;

select\*from Physiotherapist;

select\*from Dietitian;

select\*from Game\_Data;

select\*from Player;

select\*from Player\_Data;

select\*from Manager;

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,

contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Ajith','Man001','abc','xyz@gmail.com','1234567899','50','premier league','mancity');

3. alter table Manager drop constraint MyUniquekey;

select \* from Manager;

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,

contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Ajith','Man005','abc','xyz@gmail.com','1234567899','50','premier league','mancity');

select \* from Manager;

4.

select constraint\_name,constraint\_type from user\_constraints;

5. alter table Manager drop constraint MyUniquekey;

insert into Manager vl

select \* from Manager;

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,

contact\_No,

Age,

Achievements,

Previous\_Club)

values ('Ajith','Man006','abc','xyz@gmail.com','1234567899','50','premier league','mancity');

select \* from Manager;

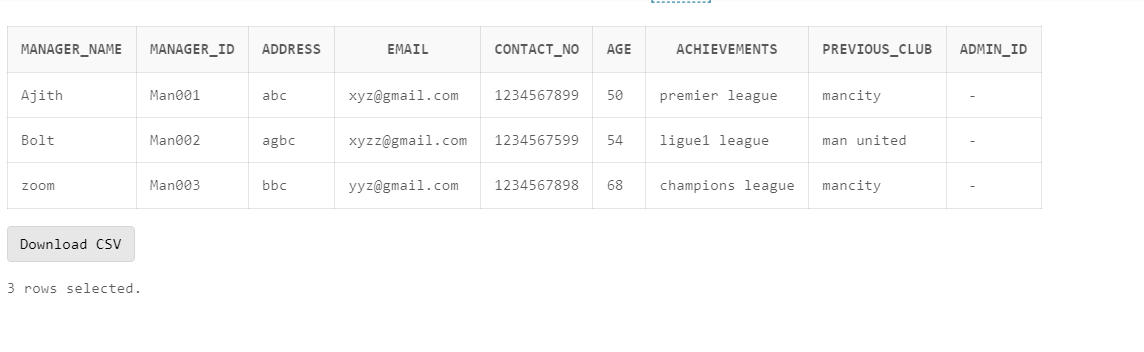
6. drop table Manager;

drop table Manager;

delete \* from Manager where Manager\_id='Man006';

7. DROP TABLE Manager;

truncate table Manger;

2. Demonstrate the enforcement of constraint with necessary inputs. 

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,

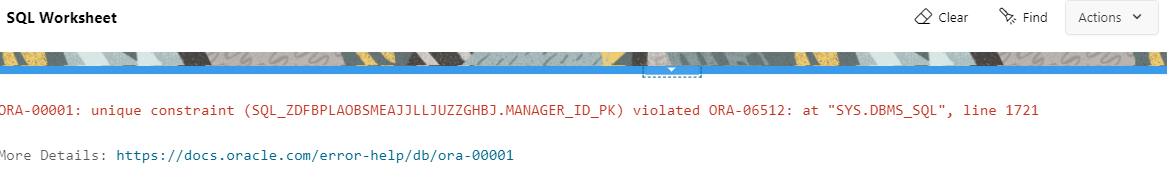
contact\_No,

Age,

Achievements,

Previous\_Club)

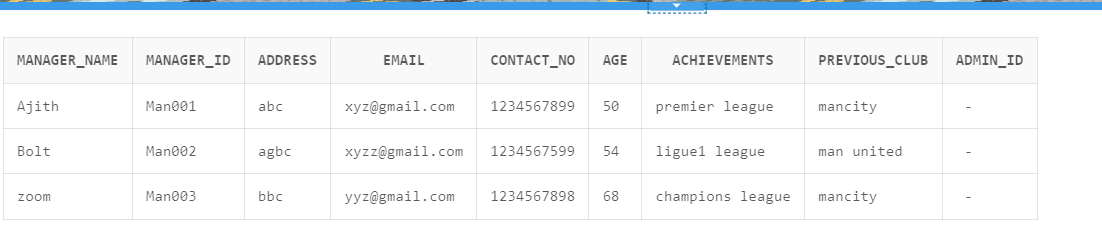
values ('Ajith','Man001','abc','xyz@gmail.com','1234567899','50','premier league','mancity');



1. Demonstrate the enforcement of constraint using alter table command.

alter table Manager drop constraint MyUniquekey;

Before dropping the Unique constraint on Manager:



After dropping:

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,

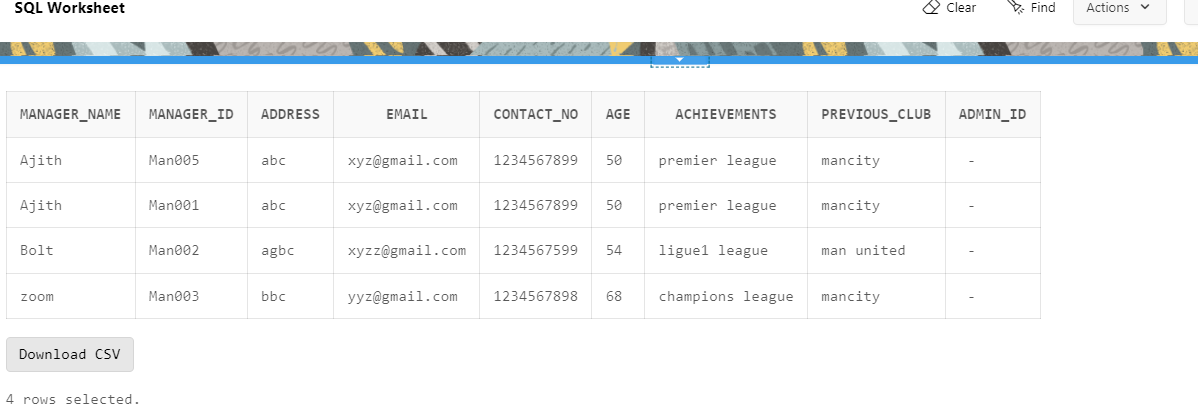
contact\_No,

Age,

Achievements,

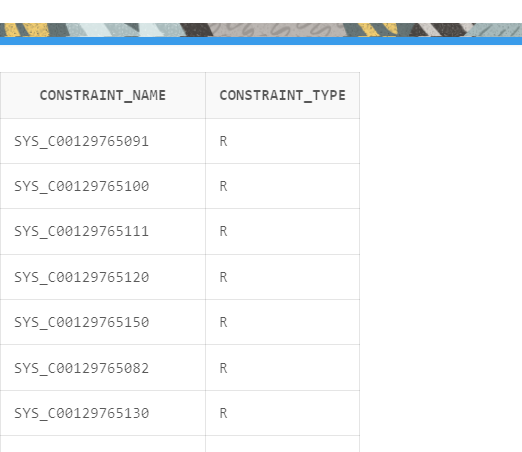
Previous\_Club)

values ('Ajith','Man005','abc','xyz@gmail.com','1234567899','50','premier league','mancity');

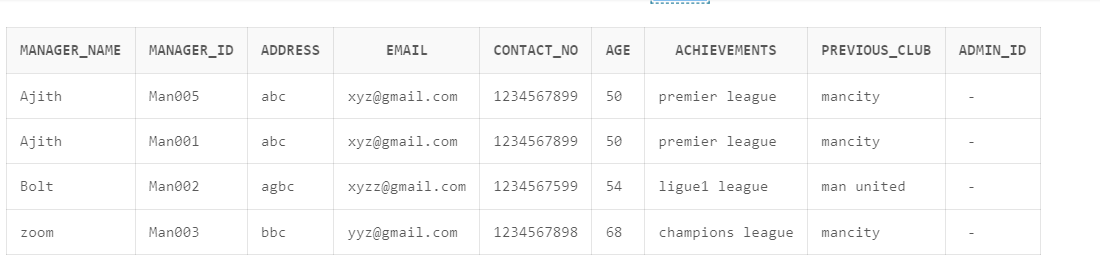


1. List the constraints enforced on each table.

select constraint\_name,constraint\_type from user\_constraints;



1. Demonstrate dropping of any one constraint of an object



alter table Manager drop constraint MyUniquekey;

insert into Manager(

Manager\_Name,

Manager\_Id,

Address,

Email,

contact\_No,

Age,

Achievements,

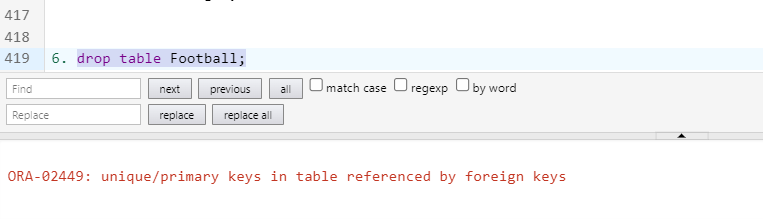
Previous\_Club)

values ('Ajith','Man006','abc','xyz@gmail.com','1234567899','50','premier league','mancity');

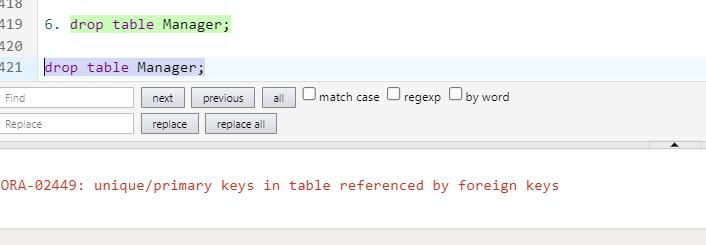


6. Demonstrate, How the data integrity is maintained by propagating changes across parent and child tables present in the database.

tried dropping the parent table, football tabke.



Tried dropping the child table, Manager



7 Demonstrate Drop and Truncate Commands onto the objects and display the records.

DROP TABLE Manager;

truncate table Manger;

