SQL Queries!

Table Creation ->

1.

CREATE TABLE Users (Name varchar(20),email varchar(40) PRIMARY KEY, password varchar(20), gender char(1), salt varchar(20), hash varchar(100))

2.

CREATE TABLE Home ( Announcement varchar(100), Home\_Name varchar(20) PRIMARY KEY, Address varchar(40), Description varchar(100), no\_of\_member INT, length decimal(10,2), width decimal(10,2), AreaFK INT)

----- TO ADD A MEMBER ------

update home

set no\_of\_member = no\_of\_member + 1

where Home\_Name = '1'; // name of home

3.

CREATE TABLE Area (AreaPk INT NOT NULL IDENTITY(1,1), Name varchar(20), Description varchar(100), length decimal(10,2), width decimal(10,2), ActivityFk INT, PRIMARY KEY(AreaPk))

4.

CREATE TABLE Activity (ActivityPk INT NOT NULL IDENTITY(1,1), Name varchar(20), Description varchar(100), no\_of\_member INT, outcome INT, PRIMARY KEY(ActivityPk))

Alter Table (Applying Keys) ->

1.

ALTER TABLE Home ADD CONSTRAINT HomeAreaFK FOREIGN KEY(AreaFk) REFERENCES Area(AreaPk)

2.

ALTER TABLE Area ADD CONSTRAINT AreaActivityFK FOREIGN KEY(ActivityFk) REFERENCES Activity(ActivityPk)

Bridge Tables Creation ->

1.

[NEW]

CREATE TABLE UserHome (email varchar(60), Home\_name varchar(20), Permission char(1), FOREIGN KEY(email) REFERENCES Users(email), FOREIGN KEY(Home\_name) REFERENCES Home(Home\_name), PRIMARY KEY(email,Home\_name) );

alter table UserHome

add check (permission = 'u' OR permission = 'U' OR permission = 'a' OR permission = 'A');

2.

CREATE TABLE UserActivity (UserPk INT, ActivityPk INT, FOREIGN KEY(UserPk) REFERENCES Users(UserPk), FOREIGN KEY(ActivityPk) REFERENCES Activity(ActivityPk), PRIMARY KEY(UserPk,ActivityPk) )

Insertion Queries ->

Color -> Data via function parameters

1.

INSERT INTO HOME (Announcement , Home\_Name , Address , Description , length , width ) VALUES (" + "'" + announcement + "'" + "," + "'" + name\_home + "'" + "," + "'" + address\_home + "'" + "," + "'" + description\_home + "'" + "," + length\_of\_home + "," + width\_of\_home + ")

2.

INSERT INTO AREA (Name, Description, length, width) VALUES (" + "'" + name\_area + "'" + "," + "'" + description\_area + "'" + "," + length\_of\_area + "," + width\_of\_area + ")

3.

INSERT INTO ACTIVITY (Name, Description, completed) VALUES (" + "'" + name\_activity + "'" + "," + "'" + description + "'" + "," + comp + ")

4.

INSERT INTO USERS (Name, email, password, gender) VALUES (" + "'" + name + "'" + "," + "'" + email + "'" + "," + "'" + password + "'" + "," + "'" + gender + "'" + ")