

Create Table Content

```
/*Gurwinder Singh */  
/*Script for creating the tables*/
```

```
CREATE TABLE Teacher  
(  
TID INT NOT NULL,  
Office VARCHAR(20) NOT NULL,  
FirstName VARCHAR(20) NOT NULL,  
LastName VARCHAR(15) NOT NULL,  
PRIMARY KEY (TID)
```

```
);
```

```
CREATE TABLE Student  
(  
SID INT NOT NULL,  
FN VARCHAR(20) NOT NULL,  
LN VARCHAR(15) NOT NULL,  
Address VARCHAR(30),  
Gender CHAR,  
PRIMARY KEY (SID)
```

```
);
```

```
CREATE TABLE Parent_Meeting  
(  
MID INT NOT NULL,  
Date VARCHAR(25) NOT NULL,  
Time VARCHAR (20) NOT NULL,  
Location VARCHAR(15) NOT NULL,  
TeacherID INT NOT NULL,  
Hours DECIMAL(3,1) NOT NULL,  
SID INT NOT NULL,  
Parent_Name VARCHAR(20) NOT NULL,  
PRIMARY KEY (MID),  
UNIQUE(TeacherID, SID, Parent_Name)
```

```
);
```

```
CREATE TABLE Parents  
(  
SID INT NOT NULL,  
Name VARCHAR(20) NOT NULL,  
Relationship VARCHAR(8),  
PRIMARY KEY (Name, SID)
```

```
);
```

```
CREATE TABLE Subject  
(  
TID INT NOT NULL,  
Subject VARCHAR(10) NOT NULL,  
PRIMARY KEY (TID, Subject)
```

```
);
```

```
CREATE TABLE Teach  
(  
TID INT NOT NULL,  
SID INT NOT NULL,  
Times INT NOT NULL,  
PRIMARY KEY (TID, SID)
```

```
);
```

```
/*script to specify foreign key */
```

```
ALTER TABLE Parent_Meeting ADD CONSTRAINT Fk_TeacherID FOREIGN KEY  
(TeacherID) REFERENCES Teacher(TID);  
ALTER TABLE Parent_Meeting ADD CONSTRAINT Fk_Parent_Name FOREIGN KEY  
(Parent_Name) REFERENCES Parents(Name);  
ALTER TABLE Subject ADD CONSTRAINT Fk_TID1 FOREIGN KEY (TID) REFERENCES  
Teacher(TID);  
ALTER TABLE Teach ADD CONSTRAINT Fk_TID2 FOREIGN KEY (TID) REFERENCES  
Teacher(TID);  
ALTER TABLE Parents ADD CONSTRAINT Fk_SID1 FOREIGN KEY (SID) REFERENCES  
Student(SID);  
ALTER TABLE Teach ADD CONSTRAINT Fk_SID2 FOREIGN KEY (SID) REFERENCES  
Student(SID);  
ALTER TABLE Parent_Meeting ADD CONSTRAINT Fk_SID3 FOREIGN KEY (SID)  
REFERENCES Parents(SID);
```

```
/* Adding schema displaying statements*/  
desc Parent_Meeting;  
desc Parents;  
desc Student;  
desc Subject;  
desc Teach;  
desc Teacher;
```

Create Table Screenshots

Field	Type	Null	Key	Default	Extra
MID	int(11)	NO	PRI	NULL	
Date	date	YES		NULL	
Time	decimal(10,4)	NO		NULL	
Location	varchar(15)	YES		NULL	
TeacherID	int(11)	NO	MUL	NULL	
Hours	decimal(3,1)	NO		NULL	
SID	int(11)	NO	MUL	NULL	
Parent_Name	varchar(20)	NO	MUL	NULL	

8 rows in set (0.01 sec)

Field	Type	Null	Key	Default	Extra
SID	int(11)	NO	PRI	NULL	
Name	varchar(20)	NO	PRI	NULL	
Relationship	varchar(8)	YES		NULL	

3 rows in set (0.00 sec)

Field	Type	Null	Key	Default	Extra
SID	int(11)	NO	PRI	NULL	
FN	varchar(20)	NO		NULL	
LN	varchar(15)	NO		NULL	
Address	varchar(30)	YES		NULL	
Gender	char(1)	YES		NULL	

5 rows in set (0.00 sec)

```

+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| TID   | int(11)   | NO   | PRI | NULL    |       |
| Subject | varchar(10) | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| TID   | int(11)   | NO   | PRI | NULL    |       |
| SID   | int(11)   | NO   | PRI | NULL    |       |
| times | int(11)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| TID        | int(11)   | NO   | PRI | NULL    |       |
| Office     | char(10)  | NO   |     | NULL    |       |
| FirstName  | varchar(20) | NO   |     | NULL    |       |
| LastName   | varchar(15) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

Populate_db Content

```

/*Gurwinder Singh*/
/* Insertion of data into the tables*/

insert into Teacher values
(342343, 'Bateson 102', 'Jagdeep', 'Singh');
insert into Teacher values
(527382, 'Mariposa 2', 'Mary', 'Green');

insert into Student values
(82769, 'Harjot', 'Kaur', '450 Stone, Houston, TX', 'F');
insert into Student values
(82770, 'Gurwinder', 'Singh', '659 oak, Lodi, CA', 'M');
insert into Student values
(82771, 'Alice', 'Smith', '838 creek, Pleasanton, CA', 'F');
insert into Student values
(57281, 'Dalvir', 'Singh', '322 khalistan, Punjab, FL', 'M');

insert into Parents values
(82769, 'Gurdeep Singh', 'Daughter');
insert into Parents values
(82770, 'Manjeet Kaur', 'Son');
insert into Parents values
(82771, 'John', 'Son');
insert into Parents values
(57281, 'Davinder Singh', 'Son');

```

```

insert into Subject values
(342343, 'Maths');
insert into Subject values
(527382, 'English');

insert into Teach values
(342343, 82769, 5);
insert into Teach values
(342343, 82770, 3);
insert into Teach values
(342343, 82771, 2);
insert into Teach values
(342343, 57281, 5);
insert into Teach values
(527382, 82771, 4);

insert into Parent_Meeting values
(4563, '2018-06-19', '8:00 AM', 'RiversideHall', 342343, 4.5, 82769, 'Gurdeep
Singh');
insert into Parent_Meeting values
(4564, '2018-07-15', '9:00 AM', 'RiversideHall', 342343, 3, 82770, 'Manjeet
Kaur');
insert into Parent_Meeting values
(4565, '2018-02-12', '10:00 AM', 'RiversideHall', 342343, 1, 82771, 'John');
insert into Parent_Meeting values
(4566, '2018-01-18', '11:00 AM', 'RiversideHall', 527382, 4, 57281, 'Davinder
Singh');

/*Statements to display the content of tables */

SELECT * FROM Parent_Meeting;
SELECT * FROM Parents;
SELECT * FROM Student;
SELECT * FROM Subject;
SELECT * FROM Teach;
SELECT * FROM Teacher;

```

Populate_db ScreenShot

Query OK, 1 row affected (0.00 sec)

MID	Date	Time	Location	TeacherID	Hours	SID	Parent_Name
4563	2018-06-19	8:00 AM	RiversideHall	342343	4.5	82769	Gurdeep Singh
4564	2018-07-15	9:00 AM	RiversideHall	342343	3.0	82770	Manjeet Kaur
4565	2018-02-12	10:00 AM	RiversideHall	342343	1.0	82771	John
4566	2018-01-18	11:00 AM	RiversideHall	527382	4.0	57281	Davinder Singh

4 rows in set (0.00 sec)

SID	Name	Relationship
57281	Davinder Singh	Son
82769	Gurdeep Singh	Daughter
82771	John	Son
82770	Manjeet Kaur	Son

4 rows in set (0.00 sec)

SID	FN	LN	Address	Gender
57281	Dalvir	Singh	322 khalistan, Punjab, FL	M
82769	Harjot	Kaur	450 Stone, Houston, TX	F
82770	Gurwinder	Singh	659 oak, Lodi, CA	M
82771	Alice	Smith	838 creek, Pleasanton, CA	F

4 rows in set (0.00 sec)

TID	Subject
342343	Maths
527382	English

2 rows in set (0.00 sec)

TID	SID	Times
342343	57281	5
342343	82769	5
342343	82770	3
342343	82771	2
527382	82771	4

5 rows in set (0.00 sec)

TID	Office	FirstName	LastName
342343	Bateson 102	Jagdeep	Singh
527382	Mariposa 2	Mary	Green

2 rows in set (0.00 sec)

