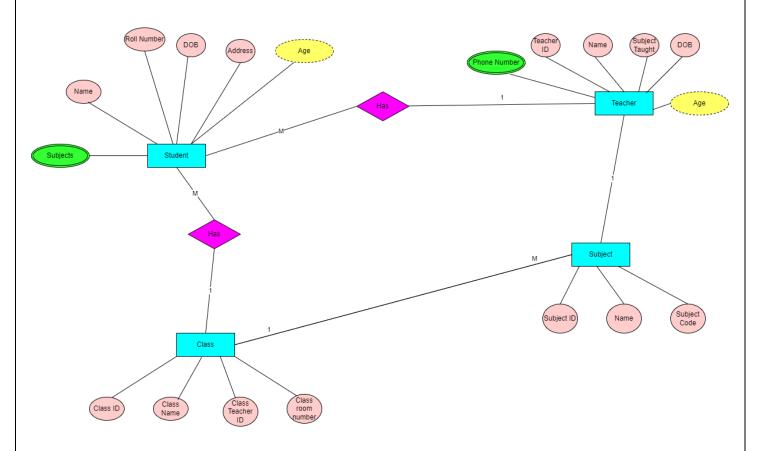
## **DATABASE TASK**

### 1. ER Diagram for School Management System



#### 2. Create a Database

#### 3. Adding Tables and inserting data

#### 4. Adding 100 rows

```
SQL Shell (psql)
        Tallie
                                                                     English
                            34-991
                                                 7/30/1987
                                                                                          101 Pine Ln
75
76
77
78
                            21-840
53-391
80-056
         Laird
                                                 9/18/1974
                                                                                          456 Elm Ave
        Uri
                                                 5/10/1959
4/14/1989
                                                                                          123 Main St
        Koralle
                                                                     History
                                                                                          123 Main St
                                                                                                                 30
         Irwin
                            86-377
                                                 7/14/1970
                                                                     Science
                                                                                          456 Elm Ave
79
80
        Carolyne
                            16-496
                                                 7/14/1988
8/4/1988
                                                                     English
                                                                                          101 Pine Ln
123 Main St
                                                                                                                 65
49
        Yetty
                            28-473
                                                                     Mathematics
 81
                            96-839
                                                 5/24/1994
                                                                     English
                                                                                          789 Oak Blvd
        Price
82
83
84
        Marty
Timotheus
                            37-771
41-705
                                                 9/6/1958
9/23/1973
                                                                                          123 Main St
456 Elm Ave
456 Elm Ave
                                                                     Mathematics
                                                                                                                 31
60
                                                                     History
Mathematics
                                                 8/20/1952
                            92-467
        Aaron
                                                 9/22/1952
5/10/1976
6/19/1963
                                                                                          101 Pine Ln
101 Pine Ln
789 Oak Blvd
85
86
87
88
         Caria
                            74-916
                                                                     English
                                                                     Art
Science
                                                                                                                 68
        Hurley
                            84-346
        Wylma
Paolina
                            88-694
                                                                                                                 73
64
                                                                                          789 Oak Blvd
456 Elm Ave
123 Main St
789 Oak Blvd
789 Oak Blvd
                            69-552
                                                 5/19/2000
                                                                     English
                                                 5/5/1975
2/4/1974
10/21/1985
                                                                     History
89
90
91
92
93
94
95
         Cammy
                            40-651
        Tammie
Clio
                            84-159
                                                                     Science
                            83-444
                                                                                                                 50
                                                                     Science
                                                 8/19/1995
9/9/1985
4/12/1985
                                                                     Art
English
                                                                                          456 Elm Ave
        Lilith
Edmund
                                                                                          123 Main St
123 Main St
                            94-603
                                                                                                                 46
                            54-110
                                                                     History
English
                            42-209
                                                  3/3/1959
                                                                                          789 Oak Blvd
         Mayor
96
97
        Borden
Colleen
                            76-454
91-327
                                                 12/29/1985
2/21/1974
                                                                                          789 Oak Blvd
456 Elm Ave
                                                                                                                 51
46
                                                                     Mathematics
                                                                     Mathematics
        Morgan
Jeniece
 98
                            71-048
                                                 4/1/1995
                                                                                          123 Main St
                            37-481
74-019
                                                 2/8/1999
3/13/1985
                                                                                          789 Oak Blvd
456 Elm Ave
                                                                     Mathematics
100
        Neile
                                                                     Science
     rows)
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□ XXX.9Hellpop)

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**CREATE TABLE

**PURSACHER (DAY)

**CREATE TABLE

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**SUBJECT TABLE

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**SUBJECT TABLE

**SUBJECT TABLE

**SUBJECT TABLE

**PURSACHER (DAY)

**SUBJECT TABLE

**SUBJE
```

5. Select query with and without conditions

	L Shell (psql)							
92	Sheri	85-738	8/19/1995	Art	456 Elm Ave	76		
93	Lilith	94-603	9/9/1985	English	123 Main St	46		
94	Edmund	54-110	4/12/1985	History	123 Main St	31		
95	Mayor	42-209	3/3/1959	English	789 Oak Blvd	78		
96	Borden	76-454	12/29/1985	Mathematics	789 Oak Blvd	51		
97	Colleen	91-327	2/21/1974	Mathematics	456 Elm Ave	46		
98	Morgan	71-048	4/1/1995	Science	123 Main St	65		
99	Jeniece	37-481	2/8/1999	Mathematics	789 Oak Blvd	64		
100	Neile	74-019	3/13/1985	Science	456 Elm Ave	29		
.d	select =   name	from student;   roll_number	dob	subjects	address	age		
1	Gabie	29-394	10/19/1967	English	+   123 Main St	31		
1 2	+   Gabie   Melesa	29-394 53-293	10/19/1967   4/4/1972	+   English   Science	+   123 Main St   456 Elm Ave	31 31		
					456 Elm Ave   789 Oak Blvd			
2	Melesa	53-293	4/4/1972	Science   History   Mathematics	456 Elm Ave	31		
2	Melesa   Ginevra	53-293 08-213	4/4/1972 2/19/1987	Science   History	456 Elm Ave   789 Oak Blvd	31 52		
2 3 4	Melesa   Ginevra   Millard	53-293 08-213 46-485	4/4/1972   2/19/1987   6/6/1959	Science   History   Mathematics	456 Elm Ave   789 Oak Blvd   101 Pine Ln	31 52 28		
2 3 4 5	Melesa   Ginevra   Millard   Winonah	53-293 08-213 46-485 73-997	4/4/1972   2/19/1987   6/6/1959   1/26/1972	Science   History   Mathematics   Mathematics	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd	31 52 28 69		
2 3 4 5 6	Melesa   Ginevra   Millard   Winonah   Garner   Nannie   Paulo	53-293   08-213   46-485   73-997   46-510   12-815   08-149	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978	Science History Mathematics Mathematics Science English Science	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave	31 52 28 69 51		
2 3 4 5 6 7	Melesa   Ginevra   Millard   Winonah   Garner   Nannie	53-293   08-213   46-485   73-997   46-510   12-815	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978   2/13/1985	Science   History   Mathematics   Mathematics   Science   English	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave 456 Elm Ave	31 52 28 69 51 78		
2 3 4 5 6 7 8 9	Melesa   Ginevra   Millard   Winonah   Garner   Nannie   Paulo   Lila   Hortense	53-293 08-213 46-485 73-997 46-510 12-815 08-149 68-273 73-257	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978   2/13/1985   10/26/1961   10/17/1975   10/12/1994	Science   History   Mathematics   Mathematics   Science   English   Science   English   Art	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave 456 Elm Ave	31 52 28 69 51 78 80 42 32		
2 3 4 5 6 7 8 9 10	Melesa Ginevra Millard Winonah Garner Nannie Paulo Lila Hortense Jeffie	53-293 08-213 46-485 73-997 46-510 12-815 08-149 68-273 73-257 70-033	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978   2/13/1985   10/26/1961   10/17/1975   10/12/1994   11/4/1994	Science   History   Mathematics   Mathematics   Science   English   Science   English   Art   English	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave 456 Elm Ave 456 Elm Ave 789 Oak Blvd	31 52 28 69 51 78 80 42 32 56		
2 3 4 5 6 7 8 9 10 11	Melesa   Ginevra   Millard   Winonah   Garner   Nannie   Paulo   Lila   Hortense   Jeffie   Nara	53-293 08-213 46-485 73-997 46-510 12-815 08-149 68-273 73-257 70-033 62-802	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978   2/13/1985   10/26/1961   10/17/1975   10/12/1994   11/4/1994   3/7/1992	Science History Mathematics Mathematics Science English Science English Art English Mathematics	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave 456 Elm Ave 456 Elm Ave 789 Oak Blvd 456 Elm Ave	31 52 28 69 51 78 80 42 32 56 43		
2 3 4 5 6 7 8 9 10 11 12 13	Melesa Ginevra Millard Winonah Garner Nannie Paulo Lila Hortense Jeffie Nara	53-293 08-213 46-485 73-997 46-510 12-815 08-149 68-273 73-257 70-033 62-802 19-555	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978   2/13/1985   10/26/1961   10/17/1975   10/12/1994   11/4/1994   3/7/1992   1/2/1956	Science   History   Mathematics   Mathematics   Science   English   Science   English   Art   English   Mathematics   Science	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave 456 Elm Ave 456 Elm Ave 789 Oak Blvd 789 Oak Blvd	31 52 28 69 51 78 80 42 32 56 43 39		
2 3 4 5 6 7 8	Melesa   Ginevra   Millard   Winonah   Garner   Nannie   Paulo   Lila   Hortense   Jeffie   Nara	53-293 08-213 46-485 73-997 46-510 12-815 08-149 68-273 73-257 70-033 62-802	4/4/1972   2/19/1987   6/6/1959   1/26/1972   5/11/1978   2/13/1985   10/26/1961   10/17/1975   10/12/1994   11/4/1994   3/7/1992	Science History Mathematics Mathematics Science English Science English Art English Mathematics	456 Elm Ave 789 Oak Blvd 101 Pine Ln 789 Oak Blvd 123 Main St 789 Oak Blvd 456 Elm Ave 456 Elm Ave 456 Elm Ave 789 Oak Blvd 456 Elm Ave	31 52 28 69 51 78 80 42 32 56 43		

# 6. Delete Query

```
□ SQL Shell (psql)

ERROR: column "subject" of relation "student" does not exist

LTNE 1: insert into student(name, roll_number,dob,subjects,address,age...

mytask=# insert into student(name, roll_number,dob,subjects,address,age) values('Aiswarya Lakshmi','956-213','24-07-2002','English1','Koottalakalam_House','22');

ERROR: duplicate key value violates unique constraint "student_pkey"

DETAIL: Key (id)=(7) already exists.

mytask=# delte from student;

DELTE 100

mytask=# select * from student;

id | name | roll_number | dob | subjects | address | age

(0 rows)

mytask=#
```

# 7. Update Query

d	name	subject_taught	teacher_id	dob	age	phone_number
1	Deeyn	History	7156-3628-4520	6/25/1963	28	163-503-2683
2	Daune	English	6918-8177-9610	1/20/1997	33	377-887-8769
3	Sean	Science	2494-4040-9605	4/20/1997	37	289-158-7411
4	Theresa	Art	2478-8707-3103	2/21/1975	65	441-529-1002
5	Julina	Science	3131-4461-3794	12/18/1990	78	122-649-8695
6	Paco	Science	2918-0574-3509	3/8/1993	55	892-160-7922
7	Brigit	Mathematics	7308-5955-2229	9/19/1992	48	029-093-9129
8	Aila	English	4190-5863-3220	11/2/1967	58	590-243-4201
9	Nettle	Science	3583-5133-5087	7/19/1957	80	869-077-8819
10	Sile	Art	0684-3748-7895	3/12/1966	75	052-645-5941
11	Emmi	Art	0165-4780-1459	8/9/1982	54	998-079-7472
12	Tamara	English	1930-4685-0713	7/16/1952	48	220-215-6448
13	Katharine	History	8208-5295-7799	11/9/1957	46	065-680-7409
14	Adey	Art	2334-6173-0800	8/8/1951	43	504-126-3945
15	Joycelin	English	5313-2629-0984	11/13/1963	69	391-185-3780
16	Maximo	History	0549-6610-7375	7/7/1967	29	015-860-0381
17	Delmore	History	7466-6864-0865	1/3/1989	42	165-009-6529
18	Tobe	Art	1959-8930-9543	3/31/1989	55	752-469-0175
19	Simonne	History	4836-7695-0296	5/29/1963	60	461-304-4043

```
mytask=#
mytask=#
 mytask=#
mytask=# update teachers SET subject_taught='History' WHERE name='Aila';
   JPDATE 1
    nytask=# select * from teachers;
id | name | subject_tau
                                                                                                                                     | subject_taught |
                                                                                                                                                                                                                                                                                          teacher_id
                                                                                                                                                                                                                                                                                                                                                                                                                           dob
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    age | phone number
                                            Deeyn
Daune
Sean
                                                                                                                                                                                                                                                                                  7156-3628-4520 | 6/25/1963
                                                                                                                                           | History
| English
| Science
               1 |
2 |
3 |
4 |
5 |
6 |
7 |
9 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                163-503-2683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                377-887-8769
289-158-7411
                                                                                                                                                                                                                                                                                     6918-8177-9610
2494-4040-9605
                                                                                                                                                                                                                                                                                                                                                                                                                1/20/1997
4/20/1997
                                               Theresa
Julina
                                                                                                                                                     Art
Science
                                                                                                                                                                                                                                                                                       2478-8707-3103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                441-529-1002
                                                                                                                                                                                                                                                                                                                                                                                                                 2/21/19/5
12/18/1990
3/8/1993
9/19/1992
7/19/1957
3/12/1966
                                                                                                                                                                                                                                                                                     3131-4461-3794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                122-649-8695
                                          Paco
Brigit
Nettle
Sile
                                                                                                                                                                                                                                                                                     2918-0574-3509
7308-5955-2229
3583-5133-5087
                                                                                                                                                  Science
Mathematics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              892-160-7922
029-093-9129
                                                                                                                                                   Science
Art
Art
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  80
75
54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                869-077-8819
           10
                                                                                                                                                                                                                                                                                     0684-3748-7895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                052-645-5941
                                                                                                                                                                                                                                                                                     0165-4780-1459
                                                                                                                                                                                                                                                                                                                                                                                                                   8/9/1982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  998-079-7472
                          Gian
Rockey
Grenville
Bethany
Aloisia
Talbot
Alameda
Juan
Manc
Sabine
Nanon
Stanfield
Konal
Isidoro
Rickard
Vladamir
Paulo
Merilee
Micky
Josephine
Trace
Terrel
Ewell
Horatio
Sammy
Booth
Helsa
Mahmud
Evelina
Eustacia
Riordan
Argaretta
Gabriell
                                                                                                                                                                                                                                                                                                                                          2/13/1966
8/29/1975
2/5/1968
6/4/1994
12/30/1994
                                                                                                                       History
History
Art
English
Mathematics
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English
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3885-2426-70806
6067-6116-6127
4152-6378-7444
7238-6333-8551
9294-4550-8464
7735-1440-8937
8825-2721-3949
8380-2575-4797
9095-4147-4753
7300-9616-7593
2385-2764-0995
1088-2314-8896
7263-9251-9331
9251-9331
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9321-1641-9319
7956-9060-5535
2388-6141-1554
2310-4660-8298
8396-7116-3826
2388-6141-1554
2310-4660-8298
8048-0562-9643
7602-5935-9637
7601-7651-0931
1749-1225-7599
8226-1427-8995
2038-6795-6724
9032-2061-0930
0418-7274-8204
9337-7324-7312
9698-6329-4360
                                                                                                                                                                                                                                                                                                                                                                                                                                                            171-922-4036
020-619-9095
966-699-8680
696-334-0848
950-775-8748
986-673-0573
195-721-6776
080-274-7306
847-565-2662
962-609-0611
685-948-7370
619-790-8349
198-240-8994
088-855-4068
220-980-2855
202-408-1343
259-2219-990-
296-279-8110
964-543-7353
897-494-804
812-728-8094
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812-728-8094
812-728-8094
812-728-8094
812-738-8146
723-988-4737
881-492-8094
812-738-8146
723-888-4737
881-492-8096
812-738-8149
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8
   2/5/1968
6/4/1994
12/38/1994
5/22/1998
4/21/1960
5/13/1967
2/2/1978
10/3/1982
1/21/1978
7/9/1957
5/28/1956
2/28/2000
12/1/1969
11/9/1954
6/7/1999
9/19/1976
3/17/1952
5/38/1961
10/9/1954
6/1/1959
10/26/1971
3/27/1983
8/17/1957
8/6/1981
4/3/1957
4/3/1957
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8/1972 14/1964 13/1974 30/1981 4/1976 25/1965