

CREATE DATABASE

```
schoolManagementSystem=# CREATE DATABASE schlmanagement;  
CREATE DATABASE  
schoolManagementSystem=# \c schlmanagement;  
You are now connected to database "schlmanagement" as user "postgres".
```

CREATE and INSERT data into TABLES

```
schlmanagement=# CREATE TABLE teachers(  
schlmanagement=# staff_id INT PRIMARY KEY,  
schlmanagement=# t_name VARCHAR(50),  
schlmanagement=#  
schlmanagement=# class_id INT,  
schlmanagement=# course_id INT);  
CREATE TABLE  
schlmanagement=# INSERT INTO teachers (staff_id, t_name, class_id, course_id)  
  
schlmanagement=# INSERT INTO class VALUES (1), (2), (3), (4), (5);  
INSERT 0 5  
schlmanagement=# INSERT INTO students (student_id, Name, Address, DOB, class_id, Sex) VALUES  
schlmanagement=# (7, 'Sneha Nair', 'Mundur', '2008-01-08', 1, 'F'),  
schlmanagement=# (1, 'Arun Kumar', 'Palakkad', '2008-01-01', 1, 'M'),  
schlmanagement=# (2, 'Anjali Nair', 'Palakkad', '2008-01-02', 1, 'F'),  
schlmanagement=# (3, 'Suresh Menon', 'Alanallur', '2008-01-03', 1, 'M'),  
schlmanagement=# (4, 'Deepa Pillai', 'Olavakode', '2008-01-04', 1, 'F'),  
schlmanagement=# (5, 'Rajesh Krishnan', 'Chungam', '2008-01-05', 1, 'M'),  
schlmanagement=# (6, 'Prakash Menon', 'Avidanellur', '2008-01-07', 1, 'M'),  
schlmanagement=# (8, 'Vishnu Pillai', 'Palakkad', '2007-01-09', 2, 'M'),  
schlmanagement=# (9, 'Ananya Nambiar', 'Palakkad', '2007-01-10', 2, 'F'),  
schlmanagement=# (10, 'Aravind Soman', 'Mundur', '2007-01-11', 2, 'M'),  
schlmanagement=# (11, 'Divya Nair', 'Mannarkkad', '2007-01-12', 2, 'F'),  
schlmanagement=# (12, 'Girish Kumar', 'Kongappadam', '2007-01-13', 2, 'M'),  
schlmanagement=# (13, 'Shalini Nair', 'Velikad', '2007-01-14', 2, 'F'),  
schlmanagement=# (14, 'Vineeth Menon', 'Palakkad', '2008-01-15', 3, 'M'),  
schlmanagement=# (15, 'Anjana Pillai', 'Avidanellur', '2008-01-16', 3, 'F'),  
schlmanagement=# (16, 'Arun Rajan', 'Palakkad', '2008-01-17', 1, 'M'),  
schlmanagement=# (17, 'Manju Nambiar', 'Olavakode', '2008-01-18', 2, 'F'),  
schlmanagement=# (18, 'Siddharth Soman', 'Velikad', '2008-01-19', 4, 'M'),  
schlmanagement=# (19, 'Asha Nair', 'Velikad', '2008-01-20', 4, 'F'),  
schlmanagement=# (20, 'Pradeep Kumar', 'Olavakode', '2008-01-21', 4, 'M'),  
schlmanagement=# (21, 'Deepthi Pillai', 'Palakkad', '2007-01-22', 3, 'F'),  
schlmanagement=# (22, 'Vijay Menon', 'Olavakode', '2007-01-23', 3, 'M'),  
schlmanagement=# (23, 'Rohini Nambiar', 'Mundur', '2007-01-24', 5, 'F'),  
schlmanagement=# (24, 'Rajeev Soman', 'Avidanellur', '2007-01-25', 5, 'M'),  
schlmanagement=# (25, 'Anita Nair', 'Palakkad', '2007-01-26', 1, 'F'),  
schlmanagement=# (26, 'Vinod Pillai', 'Palakkad', '2007-01-27', 2, 'M'),  
schlmanagement=# (27, 'Sangeetha Menon', 'Velikad', '2006-01-28', 4, 'F'),  
schlmanagement=# (28, 'Arun Kumar', 'Avidanellur', '2006-01-29', 4, 'M'),  
schlmanagement=# (29, 'Anjali Nair', 'Mundur', '2005-01-30', 3, 'F'),  
schlmanagement=# (30, 'Suresh Menon', 'Mannarkkad', '2006-01-31', 1, 'M'),  
schlmanagement=# (31, 'Deepa Pillai', 'Mundur', '2005-02-01', 5, 'F'),  
schlmanagement=# (32, 'Rajesh Krishnan', 'Palakkad', '2006-02-02', 1, 'M'),  
schlmanagement=# (33, 'Saranya Rajan', 'Avidanellur', '2006-02-03', 3, 'F'),
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schlmanagement-# (34, 'Prakash Menon', 'Palakkad', '2006-02-04', 1, 'M'),
schlmanagement-# (35, 'Sneha Nair', 'Mannarkkad', '2005-02-05', 2, 'F'),
schlmanagement-# (36, 'Vishnu Pillai', 'Palakkad', '2006-02-06', 5, 'M'),
schlmanagement-# (37, 'Ananya Nambiar', 'Avidanellur', '2006-02-07', 3, 'F'),
schlmanagement-# (38, 'Aravind Soman', 'Mannarkkad', '2009-02-08', 3, 'M'),
schlmanagement-# (39, 'Divya Nair', 'Velikad', '2009-02-09', 1, 'F'),
schlmanagement-# (40, 'Girish Kumar', 'Velikad', '2009-02-10', 4, 'M'),
schlmanagement-# (41, 'Akhil Thomas', 'Kongad', '2009-02-11', 4, 'M'),
schlmanagement-# (42, 'Ayesha Khan', 'Palakkad', '2009-02-12', 1, 'F'),
schlmanagement-# (43, 'Joseph Mathew', 'Velippadam', '2009-02-13', 2, 'M'),
schlmanagement-# (44, 'Fatima Begum', 'Mundur', '2009-02-14', 3, 'F'),
schlmanagement-# (45, 'Anoop George', 'Palakkad', '2009-02-15', 3, 'M'),
schlmanagement-# (46, 'Zoya Patel', 'Aruvikulam', '2009-02-16', 3, 'F'),
schlmanagement-# (47, 'Rajesh Kumar', 'Olavakode', '2009-02-17', 5, 'M'),
schlmanagement-# (48, 'Priya Devi', 'Olavakode', '2008-02-18', 5, 'F'),
schlmanagement-# (49, 'George Varghese', 'Aruvikulam', '2008-02-19', 3, 'M'),
schlmanagement-# (50, 'Rukhsar Ali', 'Palakkad', '2008-02-20', 2, 'F'),
schlmanagement-# (51, 'Saji John', 'Velippadam', '2008-02-21', 3, 'M'),
schlmanagement-# (52, 'Roshan Ahmed', 'Velippadam', '2008-02-22', 5, 'M'),
schlmanagement-# (53, 'Priya Thomas', 'Kongad', '2008-02-23', 1, 'F'),
schlmanagement-# (54, 'Sana Khan', 'Palakkad', '2008-02-24', 1, 'F'),
schlmanagement-# (55, 'Ajay Mathew', 'Kongad', '2007-02-25', 2, 'M'),
schlmanagement-# (56, 'Aisha Bhat', 'Aruvikulam', '2007-02-26', 4, 'F'),
schlmanagement-# (57, 'Paul Varghese', 'Velippadam', '2006-02-27', 4, 'M'),
schlmanagement-# (58, 'Fathima Rahman', 'Olavakode', '2006-02-28', 2, 'F'),
schlmanagement-# (59, 'Vijay Joseph', 'Mundur', '2006-03-01', 3, 'M'),
schlmanagement-# (60, 'Nadia Ali', 'Olavakode', '2009-03-02', 1, 'F'),
schlmanagement-# (61, 'Vinod Mathew', 'Aruvikulam', '2009-03-03', 2, 'M'),
schlmanagement-# (62, 'Nisha Patel', 'Mundur', '2009-03-04', 5, 'F'),
schlmanagement-# (63, 'Samuel Thomas', 'Kongad', '2009-03-05', 3, 'M'),
schlmanagement-# (64, 'Zara Khan', 'Olavakode', '2009-03-06', 4, 'F'),
schlmanagement-# (65, 'Benny Mathew', 'Aruvikulam', '2009-03-07', 4, 'M'),
schlmanagement-# (66, 'Sofia Ahmed', 'Velippadam', '2009-03-08', 1, 'F'),
schlmanagement-# (67, 'Philip John', 'Palakkad', '2009-03-09', 3, 'M'),
schlmanagement-# (68, 'Nadia Khan', 'Mundur', '2009-03-10', 1, 'F'),
schlmanagement-# (69, 'Thomas Mathew', 'Kongad', '2008-03-11', 5, 'M'),
schlmanagement-# (70, 'Aisha Bano', 'Kongad', '2008-03-12', 3, 'F'),
schlmanagement-# (71, 'John Varghese', 'Aruvikulam', '2007-03-13', 3, 'M'),
schlmanagement-# (72, 'Shabana Rahman', 'Palakkad', '2008-03-14', 4, 'F'),
schlmanagement-# (73, 'Suresh Kumar', 'Mundur', '2007-03-15', 4, 'M'),
schlmanagement-# (74, 'Mary Joseph', 'Olavakode', '2007-03-16', 4, 'F'),
schlmanagement-# (75, 'Mohammed Ali', 'Kongad', '2007-03-17', 1, 'M'),
schlmanagement-# (76, 'Rachel Thomas', 'Palakkad', '2006-03-18', 2, 'F'),
schlmanagement-# (77, 'Abdul Rahman', 'Velippadam', '2006-03-19', 2, 'M'),
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schlmanagement-# (78, 'Shamina Khan', 'Palakkad', '2006-03-20', 4, 'F'),
schlmanagement-# (79, 'George Mathew', 'Kongad', '2006-03-21', 3, 'M'),
schlmanagement-# (80, 'Sana Bano', 'Velippadam', '2006-03-22', 3, 'F'),
schlmanagement-# (81, 'Sneha Menon', 'Palakkad', '2006-01-01', 1, 'F'),
schlmanagement-# (82, 'Ahmed Khan', 'Olavakode', '2006-02-02', 5, 'M'),
schlmanagement-# (83, 'Anusha Nair', 'Mundur', '2007-03-03', 1, 'F'),
schlmanagement-# (84, 'Joseph Chacko', 'Alathur', '2007-04-04', 2, 'M'),
schlmanagement-# (85, 'Ayesha Patel', 'Kongad', '2008-05-05', 2, 'F'),
schlmanagement-# (86, 'John Mathew', 'Olavakode', '2008-06-06', 3, 'M'),
schlmanagement-# (87, 'Priya Singh', 'Palakkad', '2009-07-07', 3, 'F'),
schlmanagement-# (88, 'Sachin Nair', 'Kongad', '2009-08-08', 4, 'M'),
schlmanagement-# (89, 'Riya Gupta', 'Olavakode', '2010-09-09', 5, 'F'),
schlmanagement-# (90, 'Vijay Kumar', 'Palakkad', '2010-10-10', 1, 'M'),
schlmanagement-# (91, 'Aruna Menon', 'Kongad', '2006-11-11', 3, 'F'),
schlmanagement-# (92, 'Imran Ali', 'Palakkad', '2006-12-12', 2, 'M'),
schlmanagement-# (93, 'Kavita Nair', 'Mundur', '2007-01-13', 5, 'F'),
schlmanagement-# (94, 'Ankit Patel', 'Mundur', '2007-02-14', 2, 'M'),
schlmanagement-# (95, 'Sonia Thomas', 'Kongad', '2008-03-15', 1, 'F'),
schlmanagement-# (96, 'Rahul Sharma', 'Olavakode', '2008-04-16', 5, 'M'),
schlmanagement-# (97, 'Divya Krishnan', 'Palakkad', '2009-05-17', 3, 'F'),
schlmanagement-# (98, 'Vishal Menon', 'Olavakode', '2009-06-18', 3, 'M'),
schlmanagement-# (99, 'Pooja Shah', 'Mundur', '2010-07-19', 2, 'F'),
schlmanagement-# (100, 'Amit Kumar', 'Kongad', '2010-08-20', 1, 'M');
INSERT 0 100

```

```

schlmanagement=# INSERT INTO course (course_id, course_name, staff_id)
schlmanagement=# VALUES
schlmanagement-# (1, 'Mathematics', 1001),
schlmanagement-# (2, 'Physics', 1002),
schlmanagement-# (3, 'Literature', 1003),
schlmanagement-# (4, 'Biology', 1004),
schlmanagement-# (5, 'Chemistry', 1005),
schlmanagement-# (6, 'History', 1006),
schlmanagement-# (7, 'Computer', 1007),
schlmanagement-# (8, 'Geography', 1008),
schlmanagement-# (9, 'Economics', 1009),
schlmanagement-# (10, 'Art', 1010);
INSERT 0 10

```

```

schlmanagement=# INSERT INTO teachers (staff_id, t_name, class_id, course_id)
schlmanagement=# VALUES
schlmanagement-# (1001, 'John Smith', 1, 1),
schlmanagement-# (1002, 'Emily Johnson', 2, 1),
schlmanagement-# (1003, 'Michael Williams', 3, 2),
schlmanagement-# (1004, 'Jessica Brown', 1, 3),
schlmanagement-# (1005, 'David Jones', 4, 104),
schlmanagement-# (1006, 'Sarah Martinez', 5, 105),
schlmanagement-# (1007, 'James Taylor', 1, 101),
schlmanagement-# (1008, 'Jennifer Garcia', 6, 106),
schlmanagement-# (1009, 'Robert Rodriguez', 7, 107),
schlmanagement-# (1010, 'Emma Martinez', 8, 108),
schlmanagement-# (1011, 'William Davis', 2, 102),
schlmanagement-# (1012, 'Olivia Wilson', 9, 109),
schlmanagement-# (1013, 'Daniel Anderson', 10, 110),
schlmanagement-# (1014, 'Sophia Thomas', 3, 103),
schlmanagement-# (1015, 'Matthew Moore', 1, 101);
INSERT 0 15

```

SELECT

```
schlmanagement=# SELECT * FROM class;
class_id
```

```
-----
1
2
3
4
5
(5 rows)
```

```
schlmanagement=# SELECT * FROM course;
course_id | course_name | staff_id
```

```
-----+-----+-----
1 | Mathematics | 1001
2 | Physics     | 1002
3 | Literature   | 1003
4 | Biology      | 1004
5 | Chemistry    | 1005
6 | History      | 1006
7 | Computer     | 1007
8 | Geography    | 1008
9 | Economics    | 1009
10 | Art          | 1010
(10 rows)
```

```
schlmanagement=# SELECT * FROM teachers;
staff_id | t_name | class_id | course_id
```

```
-----+-----+-----+-----
1001 | John Smith | 1 | 1
1002 | Emily Johnson | 2 | 1
1003 | Michael Williams | 3 | 2
1004 | Jessica Brown | 1 | 3
1005 | David Jones | 4 | 104
```

```
schlmanagement=# SELECT * FROM teachers;
staff_id | t_name | class_id | course_id
```

```
-----+-----+-----+-----
1001 | John Smith | 1 | 1
1002 | Emily Johnson | 2 | 1
1003 | Michael Williams | 3 | 2
1004 | Jessica Brown | 1 | 3
1005 | David Jones | 4 | 104
1006 | Sarah Martinez | 5 | 105
1007 | James Taylor | 1 | 101
1008 | Jennifer Garcia | 6 | 106
1009 | Robert Rodriguez | 7 | 107
1010 | Emma Martinez | 8 | 108
1011 | William Davis | 2 | 102
1012 | Olivia Wilson | 9 | 109
1013 | Daniel Anderson | 10 | 110
1014 | Sophia Thomas | 3 | 103
1015 | Matthew Moore | 1 | 101
(15 rows)
```

UPDATE

```
schlmanagement=# UPDATE course
schlmanagement=# SET course_name='Craft'
schlmanagement=# WHERE course_id=10;
UPDATE 1
schlmanagement=# SELECT * FROM course;
 course_id | course_name | staff_id
```

```
-----+-----+-----
      1 | Mathematics |    1001
      2 | Physics     |    1002
      3 | Literature   |    1003
      4 | Biology      |    1004
      5 | Chemistry    |    1005
      6 | History      |    1006
      7 | Computer     |    1007
      8 | Geography    |    1008
      9 | Economics    |    1009
     10 | Craft        |    1010
```

```
(10 rows)
```