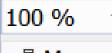


Commands completed successfully.

Completion time: 2024-09-23T17:29:32.7289913+05:30



Messages

Commands completed successfully.

Completion time: 2024-09-23T17:45:02.8598907+05:30

100 %

Messages

- (10 rows affected)

Completion time: 2024-09-23T17:46:30.1471470+05:30

```
task1.sql - DESKTOP...ESS.SISDB (sa (52))
                                        - ×
    select * from Courses;
      select * from Teacher;
      select * from Enrollments;
      select * from Payments;
100 %
student_id
                 first name
                            last name
                                        date_of_birth
                                                     email
                                                                               phone_number
                                        2000-08-15
                                                      amit.sharma@example.com
                                                                               9876543210
      1
                  Ishaan
                             Gupta
 1
 2
      3
                  Ravi
                             Mehta
                                        1997-12-10
                                                      ravi.mehta@example.com
                                                                               900000001
      4
                             Singh
 3
                  Sunita
                                        1995-05-05
                                                      sunita.singh@example.com
                                                                               8989898989
      5
4
                  Rajesh
                             Patel
                                        1998-09-12
                                                      rajesh.patel@example.com
                                                                               777777777
 5
      6
                  John
                                        1995-08-15
                                                     john.doe@example.com
                             Doe
                                                                               1234567890
      7
 6
                  Sonal
                             Gupta
                                        1997-07-15
                                                      sonal.gupta@example.com
                                                                               999999999
 7
      8
                  Rohan
                             Joshi
                                        1996-03-01
                                                      rohan.joshi@example.com
                                                                               9090909090
      9
8
                  Manish
                             Rao
                                        1996-11-10
                                                      manish.rao@example.com
                                                                               8989891234
      course id
                 course name
                              credits
                                      teacher id
                               3
      1
                 Mathematics
                                       1
 1
 2
      2
                 Physics
                               4
                                       2
      3
                                       2
                 Chemistry
                               3
 3
      4
                               2
                                       1
                 English
 4
      5
                               2
                                       2
 5
                 History
                               3
                                       4
      6
 6
                 Biology
                                       5
      7
                               3
 7
                 Economics
                                       6
      8
                 Computer S...
                               4
 8
      teacher_id
                 first name
                            last name
                                        email
      1
                  Varsha
                             Patil
                                        varsha.patil@example.com
 1
 2
      2
                  Seema
                             Joshi
                                        ramesh.newemail@example.com
      3
 3
                  Vikas
                             Dubey
                                        vikas.patil@example.com
      4
 4
                             Nair
                                        anjali.nair@example.com
                  Anjali
      5
                             Shah
 5
                  Karan
                                        karan.shah@example.com
                             Ghosh
      6
                                        megha.ghosh@example.com
 6
                  Megha
      7
 7
                  Suresh
                             Yadav
                                        suresh.vadav@example.com
```

```
INSERT INTO Students (first name, last name, date of birth, email, phone number)

VALUES ('John', 'Doe', '1995-08-15', 'john.doe@example.com', '1234567890');

100 % 
Messages

(1 row affected)

Completion time: 2024-09-23T17:48:31.3266145+05:30
```

task2.sql - DESKTOP...ESS.SISDB (sa (65)) + × task1.sql - DESKTOP...ESS.SISDB (sa (64))

```
INSERT INTO Enrollments (student_id, course_id, enrollment_date)

VALUES (1, 3, '2023-03-01');

100 %

Messages

(1 row affected)

Completion time: 2024-09-23T17:50:32.4250801+05:30
```

```
UPDATE Teacher

SET email = 'ramesh.newemail@example.com'

WHERE teacher_id = 2|;

100 % ▼

■ Messages
```

Completion time: 2024-09-23T17:52:39.1056672+05:30

(1 row affected)

```
DELETE FROM Enrollments
WHERE student id = 1 AND course id = 3;
```

100 % ▼ ◀

Messages

(1 row affected)

Completion time: 2024-09-23T17:57:57.1312461+05:30

```
DIPDATE Courses
SET teacher_id = 2
WHERE course_id = 3;

100 % 
Messages

(1 row affected)

Completion time: 2024-09-23T17:58:37.6428982+05:30
```

```
DELETE FROM Payments
WHERE student id = 2;
DELETE FROM Enrollments
WHERE student id = 2;
DELETE FROM Students
WHERE student id = 2;

Messages

(1 row affected)

(0 rows affected)

(1 row affected)
```

Completion time: 2024-09-23T18:16:51.0887521+05:30

```
SET amount = 1800.00
WHERE payment_id = 3;
```

■ Messages

.00 %

(1 row affected)

Completion time: 2024-09-23T18:00:52.3804126+05:30

```
FROM Students s
JOIN Payments p ON s.student_id = p.student_id
WHERE s.student_id = 1
GROUP BY s.first_name, s.last_name;

Results Messages

first_name last_name total_payments
```

1000.00

Gupta

Ishaan

SELECT s.first_name, s.last_name, SUM(p.amount) AS total_payments

```
FROM Courses c

LEFT JOIN Enrollments e ON c.course_id = e.course_id

GROUP BY c.course_name;
```

100 % ▼ ◀

	course_name	student_count
1	Biology	1
2	Chemistry	1
3	Computer Science	1
4	Economics	1
5	English	1
6	History	1
7	Mathematics	1
8	Physics	0
9	Political Science	1
10	Statistics	1

```
FROM Students s
LEFT JOIN Enrollments e ON s.student_id = e.student_id
WHERE e.enrollment_id IS NULL;

100 % 

Results Messages

first_name last_name

1 John Doe
```

```
□ SELECT s.first_name, s.last_name, c.course_name

FROM Students s

JOIN Enrollments e ON s.student_id = e.student_id

JOIN Courses c ON e.course_id = c.course_id;
```

⊞ Results			
	first_name	last_name	course_name
1	Ishaan	Gupta	Mathematics
2	Ravi	Mehta	Chemistry
3	Sunita	Singh	English
4	Rajesh	Patel	History
5	John	Doe	Biology
6	Sonal	Gupta	Economics
7	Rohan	Joshi	Computer Science
8	Manish	Rao	Statistics
9	Anita	Nair	Political Science

100 %

```
SELECT t.first_name, t.last_name, c.course_name
FROM Teacher t

LEFT JOIN Courses c ON t.teacher_id = c.teacher_id;
```

100 % -				
	first_name	last_name	course_name	
1	Varsha	Patil	Mathematics	
2	Varsha	Patil	English	
3	Seema	Joshi	Physics	
4	Seema	Joshi	Chemistry	
5	Seema	Joshi	History	
6	Vikas	Dubey	NULL	
7	Anjali	Nair	Biology	
8	Karan	Shah	Economics	
9	Megha	Ghosh	Computer Science	

```
FROM Students s

JOIN Enrollments e ON s.student_id = e.student_id

JOIN Courses c ON e.course_id = c.course_id

WHERE c.course_name = 'Mathematics';

Results Messages

first_name last_name enrollment_date

1 Ishaan Gupta 2023-01-10
```

□SELECT s.first_name, s.last_name, e.enrollment_date

```
FROM Students s

LEFT JOIN Payments p ON s.student_id = p.student_id

WHERE p.payment_id IS NULL;

100 % 

Results Messages

first_name last_name

1 John Doe
```

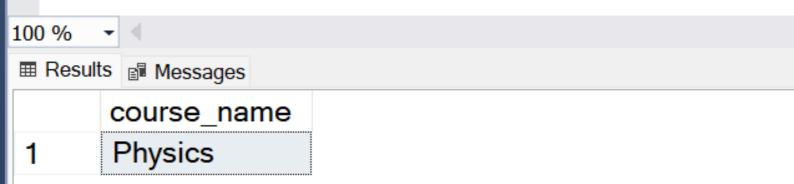
□SELECT s.first_name, s.last_name

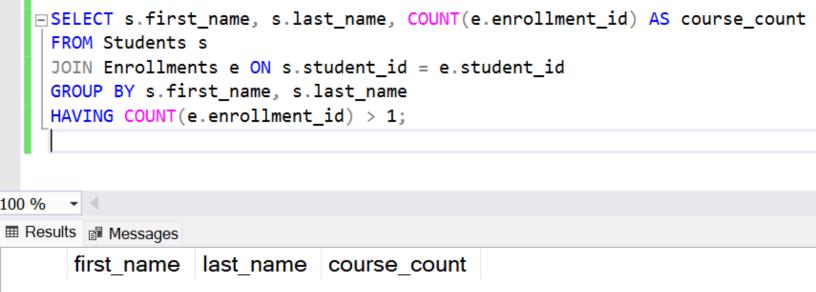
```
SELECT c.course_name

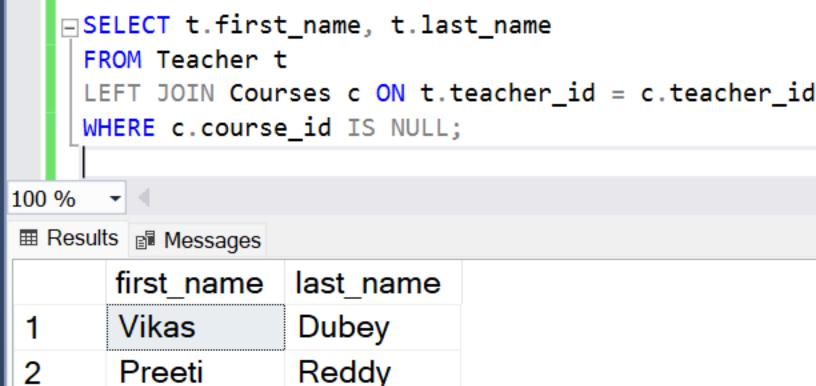
FROM Courses c

LEFT JOIN Enrollments e ON c.course_id = e.course_id

WHERE e.enrollment_id IS NULL;
```







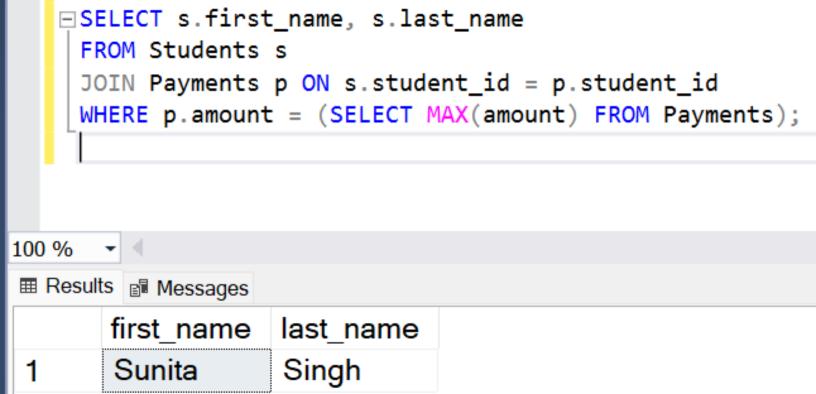
Chauhan

Nisha

```
task4.sql - DESKTOP...ESS.SISDB (sa (63))* + ×

☐ SELECT AVG(student_count) AS avg_enrollments

     FROM (
         SELECT COUNT(e.enrollment_id) AS student_count
         FROM Courses c
         LEFT JOIN Enrollments e ON c.course_id = e.course_id
         GROUP BY c.course_id
     ) AS subquery;
100 %
avg enrollments
     0
```



```
□ SELECT c.course name
    FROM Courses c
    JOIN Enrollments e ON c.course id = e.course id
    GROUP BY c.course_name
    HAVING COUNT(e.enrollment_id) = (
         SELECT MAX(enrollment count)
         FROM (
             SELECT COUNT(enrollment_id) AS enrollment_count
             FROM Enrollments
             GROUP BY course id
          AS subquery
100 % ▼ ◀
course name
     Biology
    Chemistry
    Computer Science
     Economics
     English
    History
     Mathematics
    Political Science
     Statistics
```

```
SELECT t.first_name, t.last_name, SUM(p.amount) AS total_payments

FROM Teacher t

JOIN Courses c ON t.teacher_id = c.teacher_id

JOIN Enrollments e ON c.course_id = e.course_id

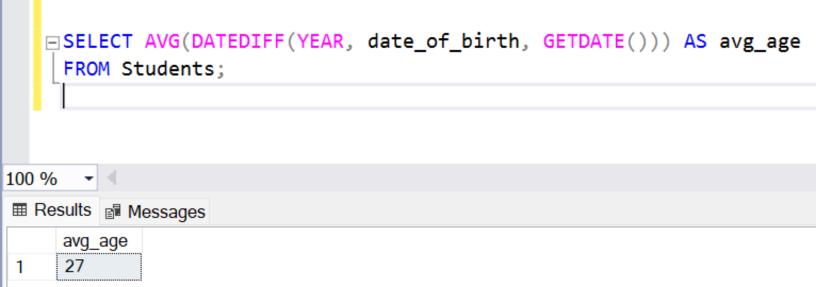
JOIN Payments p ON e.student_id = p.student_id

GROUP BY t.first_name, t.last_name;
```

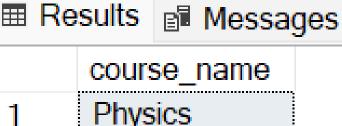
.00 /0				
⊞ Results				
	first_name	last_name	total_payments	
1	Anjali	Nair	2200.00	
2	Karan	Shah	1100.00	
3	Megha	Ghosh	1300.00	
4	Seema	Joshi	3000.00	
5	Suresh	Yadav	1400.00	
6	Varsha	Patil	3500.00	
7	Vijay	Thakur	1600.00	

100 % -

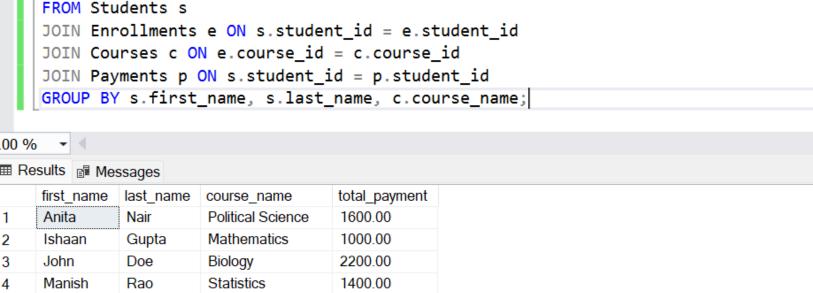
```
SELECT s.first name, s.last name
    FROM Students s
    WHERE NOT EXISTS (
        SELECT c.course id
         FROM Courses c
         WHERE NOT EXISTS (
             SELECT e.course id
             FROM Enrollments e
             WHERE e.student id = s.student id AND e.course id = c.course id
100 %
■ Results Messages
    first name last name
```



```
FROM Courses c
WHERE NOT EXISTS (
SELECT e.course_id
FROM Enrollments e
WHERE e.course_id = c.course_id
);
```



.00 %



1300.00

1100.00

2500.00

□ SELECT s.first name, s.last name, c.course name, SUM(p.amount) AS total payment

5 Rajesh Patel 1200.00 History Mehta Chemistry 1800.00 6 Ravi

Computer Science

Economics

English

Rohan

Sonal

Sunita

8

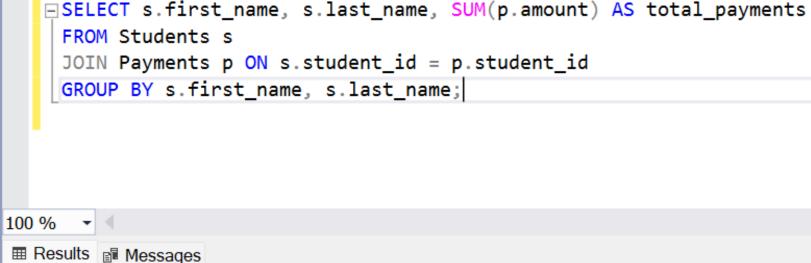
9

Joshi

Gupta

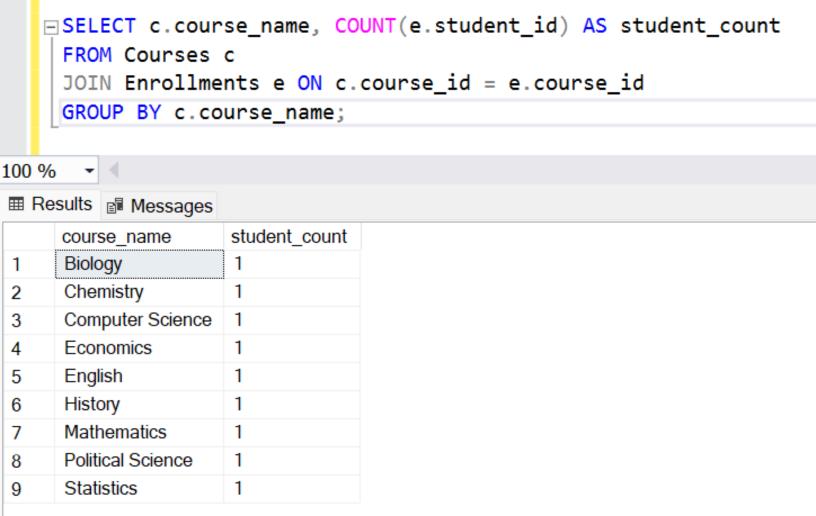
Singh

	□SELECT s.first_name, s.last_name, COUNT(p.payment_id) AS payment_count			
	FROM Students s			
	<pre>JOIN Payments p ON s.student_id = p.student_id</pre>			
	GROUP BY s.first_name, s.last_name			
	HAVING COUNT(p.payment_id) > 1;			
100	% → ◀			
III	Results Messages			
	first_name last_name payment_count			



	IIISt_Hallie	last_name	total_payments
1	John	Doe	2200.00
2	Ishaan	Gupta	1000.00
3	Sonal	Gupta	1100.00
4	Rohan	Joshi	1300.00
5	Ravi	Mehta	1800.00
6	Anita	Nair	1600.00
7	Rajesh	Patel	1200.00
8	Manish	Rao	1400.00
9	Sunita	Singh	2500.00

first name last name total nauments



```
□ SELECT s.first_name, s.last_name, AVG(p.amount) AS average_payment
    FROM Students s
    JOIN Payments p ON s.student_id = p.student_id
    GROUP BY s.first_name, s.last_name;
100 %
```

■ Results			
	first_name	last_name	average_payment
1	John	Doe	2200.000000
2	Ishaan	Gupta	1000.000000
3	Sonal	Gupta	1100.000000
4	Rohan	Joshi	1300.000000
5	Ravi	Mehta	1800.000000
6	Anita	Nair	1600.000000
7	Rajesh	Patel	1200.000000
8	Manish	Rao	1400.000000
9	Sunita	Singh	2500.000000