```
create database school;
use school;
CREATE TABLE student (
   student_id VARCHAR(40) PRIMARY KEY,
   student_name VARCHAR(40),
   student_email VARCHAR(40),
   city VARCHAR(40)
);
CREATE TABLE course (
   course_id VARCHAR(40) PRIMARY KEY,
   course_title VARCHAR(40),
   category VARCHAR(40),
   price DECIMAL
);

CREATE TABLE enrollment (
   enrollment_id INT PRIMARY KEY,
   student_id VARCHAR(40),
   course_id VARCHAR(40),
   enroll_date DATE,
   FOREIGN KEY (student_id)
      REFERENCES student (student_id),
   FOREIGN KEY (course_id)
      REFERENCES course (course_id)
);



CREATE TABLE progress (
   progress_id INT PRIMARY KEY,
   enrollment_id INT,
   completion_percent DECIMAL,
```

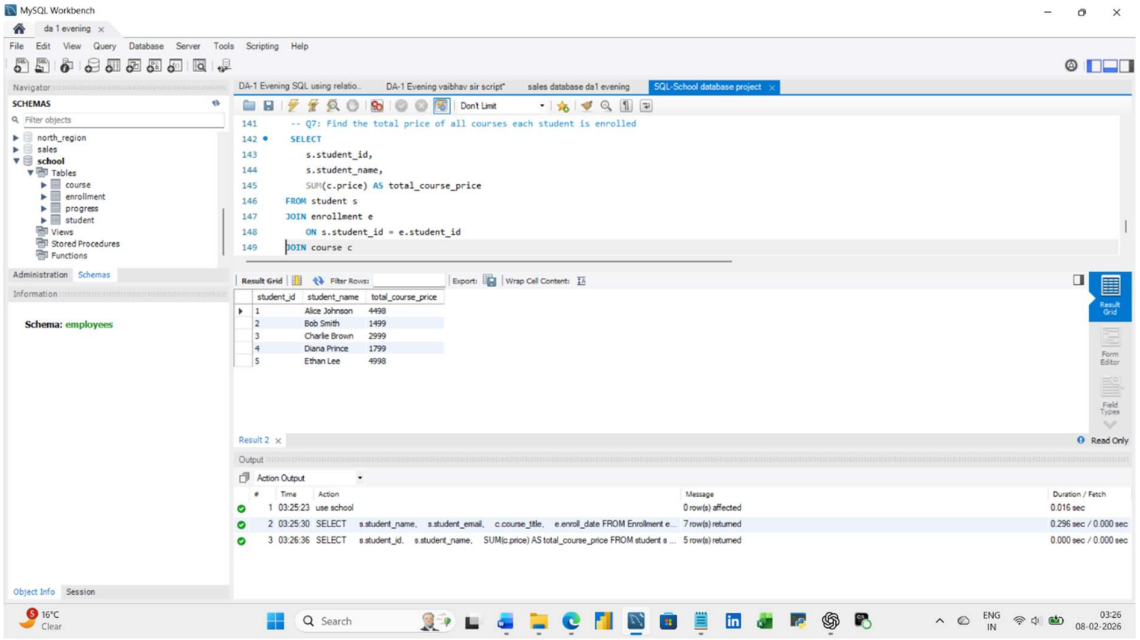
```
  last_accessed_date DATE,
  FOREIGN KEY (enrollment_id)
    REFERENCES enrollment (enrollment_id)
);

 INSERT INTO Student (student_id, student_name, student_email, city) VALUES
(1, 'Alice Johnson', 'alice@example.com', 'Mumbai'),
(2, 'Bob Smith', 'bob@example.com', 'Pune'),
(3, 'Charlie Brown', 'charlie@example.com', 'Delhi'),
(4, 'Diana Prince', 'diana@example.com', 'Bangalore'),
(5, 'Ethan Lee', 'ethan@example.com', 'Hyderabad');

INSERT INTO Course (course_id, course_title, category, price) VALUES
(101, 'Python for Beginners', 'Programming', 1999.00),
(102, 'Advanced Excel', 'Data Analysis', 1499.00),
(103, 'Web Development Bootcamp', 'Web Development', 2499.00),
(104, 'Machine Learning Basics', 'AI/ML', 2999.00),
(105, 'Digital Marketing 101', 'Marketing', 1799.00);


INSERT INTO Enrollment (enrollment_id, student_id, course_id,
enroll_date) VALUES (1001, 1, 101, '2025-07-01'),
(1002, 1, 103, '2025-07-10'),
(1003, 2, 102, '2025-07-05'),
(1004, 3, 104, '2025-07-08'),
(1005, 4, 105, '2025-07-15'),
(1006, 5, 101, '2025-07-20'),
(1007, 5, 104, '2025-07-25');


 INSERT INTO Progress (progress_id, enrollment_id, completion_percent,
```

```
last_accessed_date) VALUES
(2001, 1001, 100.00, '2025-08-01'),
(2002, 1002, 60.00, '2025-08-05'),
(2003, 1003, 80.00, '2025-08-03'),
(2004, 1004, 45.00, '2025-08-04'),
(2005, 1005, 100.00, '2025-08-02'),
(2006, 1006, 20.00, '2025-08-06'),
(2007, 1007, 35.00, '2025-08-06');
```

```
-- Q1: List all students with the course titles they are enrolled in.

  SELECT
  s.student_name,
  s.student_email,
  c.course_title,
  e.enroll_date
FROM Enrollment e
JOIN Student s
  ON e.student_id = s.student_id
JOIN Course c
  ON e.course_id = c.course_id;

-- Q2: Show the names of students from the city 'Mumbai' who are enrolled in any course.

 SELECT DISTINCT s.student_name
FROM Student s
JOIN Enrollment e
  ON s.student_id = e.student_id
WHERE s.city = 'Mumbai';
```

```
-- Q3: Count how many students are enrolled in each course.

SELECT
  c.course_title,
  COUNT(e.student_id) AS total_students
FROM course c
LEFT JOIN enrollment e
  ON c.course_id = e.course_id
GROUP BY c.course_title;

-- Q4: Find all courses with more than 1 student enrolled.
SELECT
  c.course_title,
  COUNT(e.student_id) AS total_students
FROM course c
JOIN enrollment e
  ON c.course_id = e.course_id
GROUP BY c.course_title
HAVING COUNT(e.student_id) > 1;

-- Q5: Find the average completion percentage for each student.

SELECT
  s.student_id,
  s.student_name,
  AVG(p.completion_percent) AS avg_completion
FROM student s
JOIN enrollment e
  ON s.student_id = e.student_id
```

```
JOIN progress p
  ON e.enrollment_id = p.enrollment_id
GROUP BY s.student_id, s.student_name;

-- Q6: List students who accessed their course progress after '2025-08-04'.
SELECT
  s.student_id,
  s.student_name,
  p.last_accessed_date
FROM student s
JOIN enrollment e
  ON s.student_id = e.student_id
JOIN progress p
  ON e.enrollment_id = p.enrollment_id
WHERE p.last_accessed_date > '2025-08-04';

 -- Q7: Find the total price of all courses each student is enrolled
 SELECT
  s.student_id,
  s.student_name,
  SUM(c.price) AS total_course_price
FROM student s
JOIN enrollment e
  ON s.student_id = e.student_id
JOIN course c
  ON e.course_id = c.course_id
GROUP BY s.student_id, s.student_name;
```


MySQL Workbench
da 1 evening
File Edit View Query Database Server Tools Scripting Help
DA-1 Evening SQL using relatio..
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sales database da1 evening
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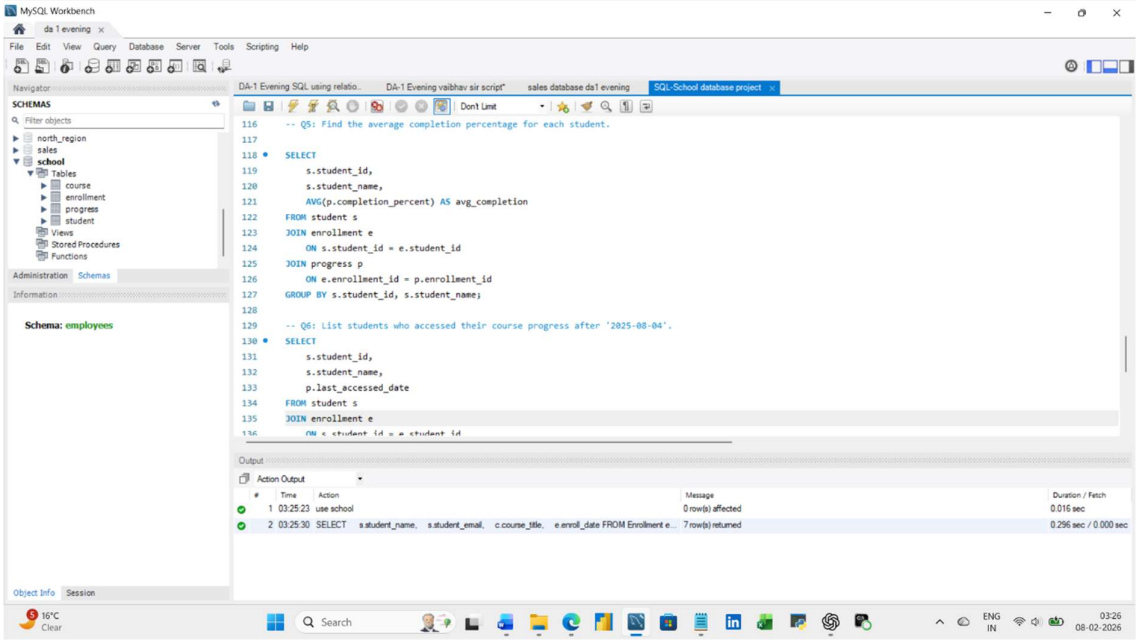
SCHEMAS
north_region
sales
school
Tables
course
enrollment
progress
student
Views
Stored Procedures
Functions
Schema: employees
-- Q7: Find the total price of all courses each student is enrolled
SELECT
s.student_id,
s.student_name,
SUM(c.price) AS total_course_price
FROM student s
JOIN enrollment e
ON s.student_id = e.student_id
JOIN course c
student_id student_name total_course_price
1 Alice Johnson 4498
2 Bob Smith 1499
3 Charlie Brown 2999
4 Diana Prince 1799
5 Ethan Lee 4998
Action Output
1 03:25:23 use school 0 row(s) affected 0.016 sec
2 03:25:30 SELECT s.student_name, s.student_email, c.course_title, e.enroll_date FROM Enrollment e... 7 row(s) returned 0.296 sec / 0.000 sec
3 03:26:36 SELECT s.student_id, s.student_name, SUM(c.price) AS total_course_price FROM student s ... 5 row(s) returned 0.000 sec / 0.000 sec
Search
ENG IN
03:26 08-02-2026


MySQL Workbench
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DA-1 Evening SQL using relatio..
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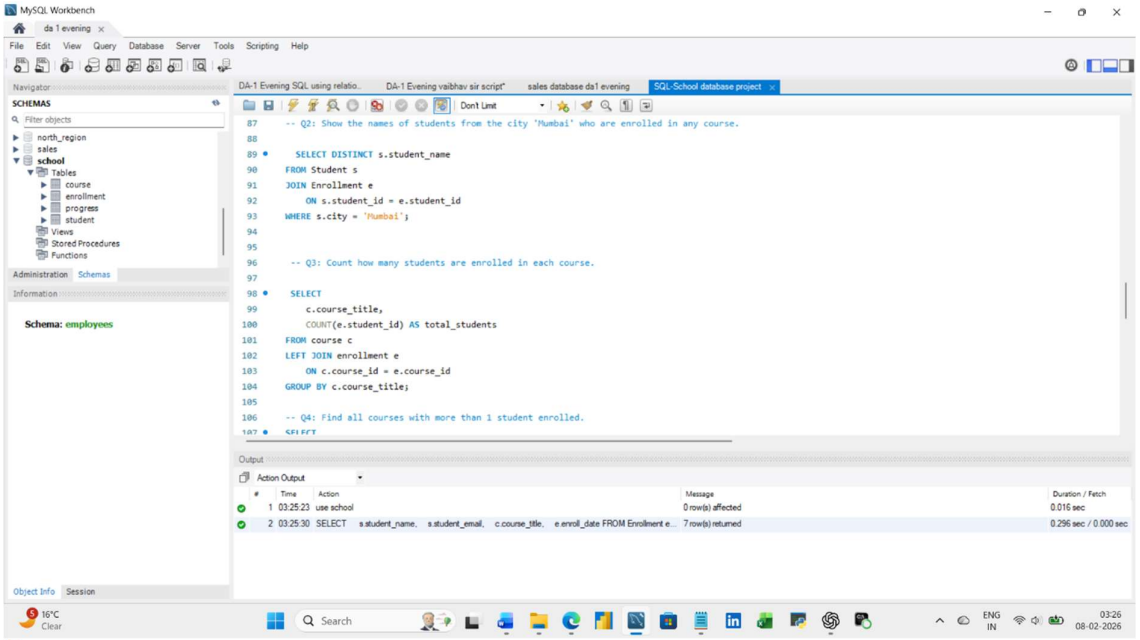
SQL-School database project
SCHEMAS
north_region
sales
school
Tables
course
enrollment
progress
student
Views
Stored Procedures
Functions
Schema: employees
-- Q5: Find the average completion percentage for each student.
SELECT
s.student_id,
s.student_name,
AVG(p.completion_percent) AS avg_completion
FROM student s
JOIN enrollment e
ON s.student_id = e.student_id
JOIN progress p
ON e.enrollment_id = p.enrollment_id
GROUP BY s.student_id, s.student_name;
-- Q6: List students who accessed their course progress after '2025-08-04'.
SELECT
s.student_id,
s.student_name,
p.last_accessed_date
FROM student s
JOIN enrollment e
Action Output
1 03:25:23 use school 0 row(s) affected 0.016 sec
2 03:25:30 SELECT s.student_name, s.student_email, c.course_title, e.enroll_date FROM Enrollment e... 7 row(s) returned 0.296 sec / 0.000 sec
Search
ENG IN
03:26 08-02-2026


MySQL Workbench
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File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
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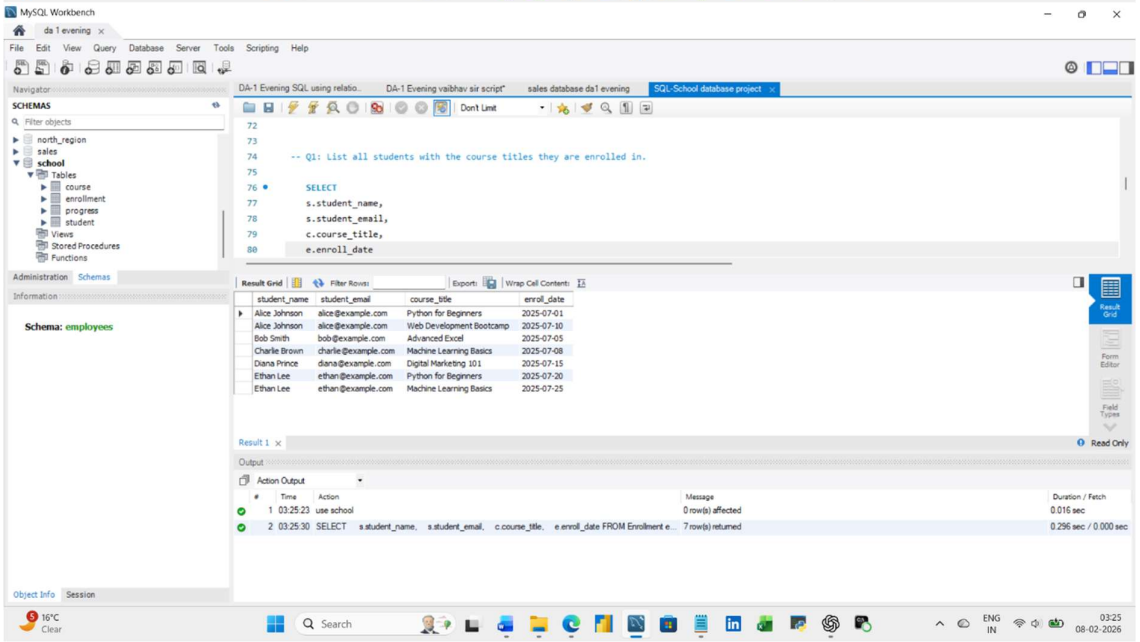
enrollment
progress
student
Views
Stored Procedures
Functions
Administration Schemas
Information
Schema: employees
Object Info Session
DA-1 Evening SQL using relatio...
DA-1 Evening vaibhav sir script*
sales database da1 evening
SQL-School database project
Don't Limit
87 -- Q2: Show the names of students from the city 'Mumbai' who are enrolled in any course.
88
89 SELECT DISTINCT s.student_name
90 FROM Student s
91 JOIN Enrollment e
92 ON s.student_id = e.student_id
93 WHERE s.city = 'Mumbai';
94
95
96 -- Q3: Count how many students are enrolled in each course.
97
98 SELECT
99 c.course_title,
100 COUNT(e.student_id) AS total_students
101 FROM course c
102 LEFT JOIN enrollment e
103 ON c.course_id = e.course_id
104 GROUP BY c.course_title;
105
106 -- Q4: Find all courses with more than 1 student enrolled.
107 SELECT
Output
Action Output
Time Action Message Duration / Fetch
1 03:25:23 use school 0 row(s) affected 0.016 sec
2 03:25:30 SELECT s.student_name, s.student_email, c.course_title, e.enroll_date FROM Enrollment e... 7 row(s) returned 0.296 sec / 0.000 sec
16°C Clear
Search
ENG IN
03:26 08-02-2026


MySQL Workbench
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Views
Stored Procedures
Functions
Administration Schemas
Information
Schema: employees
Object Info Session
DA-1 Evening SQL using relatio...
DA-1 Evening vaibhav sir script*
sales database da1 evening
SQL-School database project
Don't Limit
72
73
74 -- Q1: List all students with the course titles they are enrolled in.
75
76 SELECT
77 s.student_name,
78 s.student_email,
79 c.course_title,
80 e.enroll_date
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
student_name student_email course_title enroll_date
Alice Johnson alice@example.com Python for Beginners 2025-07-01
Alice Johnson alice@example.com Web Development Bootcamp 2025-07-10
Bob Smith bob@example.com Advanced Excel 2025-07-05
Charlie Brown charlie@example.com Machine Learning Basics 2025-07-08
Diana Prince diana@example.com Digital Marketing 101 2025-07-15
Ethan Lee ethan@example.com Python for Beginners 2025-07-20
Ethan Lee ethan@example.com Machine Learning Basics 2025-07-25
Result Grid
Form Editor
Field Types
Result 1
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 03:25:23 use school 0 row(s) affected 0.016 sec
2 03:25:30 SELECT s.student_name, s.student_email, c.course_title, e.enroll_date FROM Enrollment e... 7 row(s) returned 0.296 sec / 0.000 sec
16°C Clear
Search
ENG IN
03:25 08-02-2026