

Student Id Reference (Quincy Quinn is student id 13)

MySQL Workbench

Migration x Test2 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

blueberryapple
databaseproject

Tables

assignment
course
department
distribution
enrollment
grades
student

Administration Schemas

Information

Table: grades

Columns:

student_id int PK
assignment_id int PK
earned_points int

Query 1 student

1 • SELECT * FROM databaseproject.student;

Result Grid

student_id	f_name	l_name	major
6	Sophia	Jones	History
7	Daniel	Brown	Biology
8	Olivia	Davis	Chemistry
9	William	Miller	History
10	Emma	Wilson	Biology
11	Alexan...	Martinez	Chemistry
12	Mia	Taylor	History
13	Quincy	Quinn	Computer Science
* NULL	NULL	NULL	NULL

student 1 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
78	20:59:12	SELECT MAX(earned_points) AS highest_score FROM databaseproject.grad...	1 row(s) returned	0.000 sec / 0.000 sec
79	21:00:32	SELECT MAX(earned_points) AS highest_score FROM databaseproject.grad...	1 row(s) returned	0.016 sec / 0.000 sec
80	22:09:34	SELECT * FROM databaseproject.student LIMIT 0, 1000	13 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Original Earned Points:

MySQL Workbench

Migration x Test2 x

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Information

Table: grades

Columns:

student_id int PK
assignment_id int PK
earned_points int

Query 1 student assignment distribution grades

1 • SELECT * FROM databaseproject.grades;

Result Grid

student_id	assignment_id	earned_points
13	32	93
13	33	198
13	34	98
13	35	48
13	36	93
13	37	198
* NULL	NULL	NULL

grades 1 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
81	22:21:03	SELECT * FROM databaseproject.assignment LIMIT 0, 1000	101 row(s) returned	0.000 sec / 0.000 sec
82	22:21:16	SELECT * FROM databaseproject.distribution LIMIT 0, 1000	20 row(s) returned	0.000 sec / 0.000 sec
83	22:21:32	SELECT * FROM databaseproject.grades LIMIT 0, 1000	312 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

69°F Partly cloudy

Search

10:21 PM 4/15/2024

Running SQL Code (Test Case)

The screenshot shows the MySQL Workbench interface with the 'Test2' connection selected. The 'Query 1' editor contains the following SQL code:

```
1 -- Add 2 points just to those students whose last name contains a 'Q'
2 • UPDATE databaseproject.grades g
3   INNER JOIN databaseproject.student s ON g.student_id = s.student_id
4   SET g.earned_points = g.earned_points + 2
5   WHERE s.l_name LIKE 'Q%';
```

The 'Navigator' pane on the left shows the 'databaseproject' schema with tables: assignment, course, department, distribution, enrollment, grades, and student. The 'Information' pane shows the structure of the 'grades' table:

Table: grades

Columns:

- student_id int PK
- assignment_id int PK
- earned_points int

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
83	22:21:32	SELECT * FROM databaseproject.grades LIMIT 0, 1000	312 row(s) returned	0.016 sec / 0.000 sec
84	22:22:43	UPDATE databaseproject.grades g INNER JOIN databaseproject.student s ...	12 row(s) affected Rows matched: 12 Changed: 12 Warnings: 0	0.031 sec
85	22:22:56	SELECT * FROM databaseproject.grades LIMIT 0, 1000	312 row(s) returned	0.000 sec / 0.000 sec

(RESULT BELOW)

The screenshot shows the MySQL Workbench interface with the 'Test2' connection selected. The 'Query 1' editor contains the following SQL code:

```
1 • SELECT * FROM databaseproject.grades;
```

The 'Navigator' pane on the left shows the 'databaseproject' schema with tables: assignment, course, department, distribution, enrollment, grades, and student. The 'Information' pane shows the structure of the 'grades' table:

Table: grades

Columns:

- student_id int PK
- assignment_id int PK
- earned_points int

The 'Result Grid' pane shows the results of the query:

student_id	assignment_id	earned_points
13	32	95
13	33	200
13	34	100
13	35	50
13	36	95
13	37	200

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
83	22:21:32	SELECT * FROM databaseproject.grades LIMIT 0, 1000	312 row(s) returned	0.016 sec / 0.000 sec
84	22:22:43	UPDATE databaseproject.grades g INNER JOIN databaseproject.student s ...	12 row(s) affected Rows matched: 12 Changed: 12 Warnings: 0	0.031 sec
85	22:22:56	SELECT * FROM databaseproject.grades LIMIT 0, 1000	312 row(s) returned	0.000 sec / 0.000 sec