

عنوان المشروع: SQL1

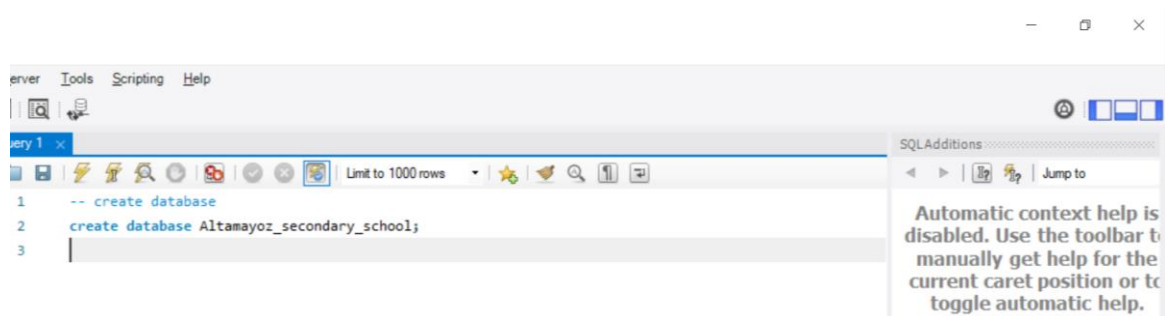
اسم المتدربة: البندري القصيمي

اسم المجموعة: القدية

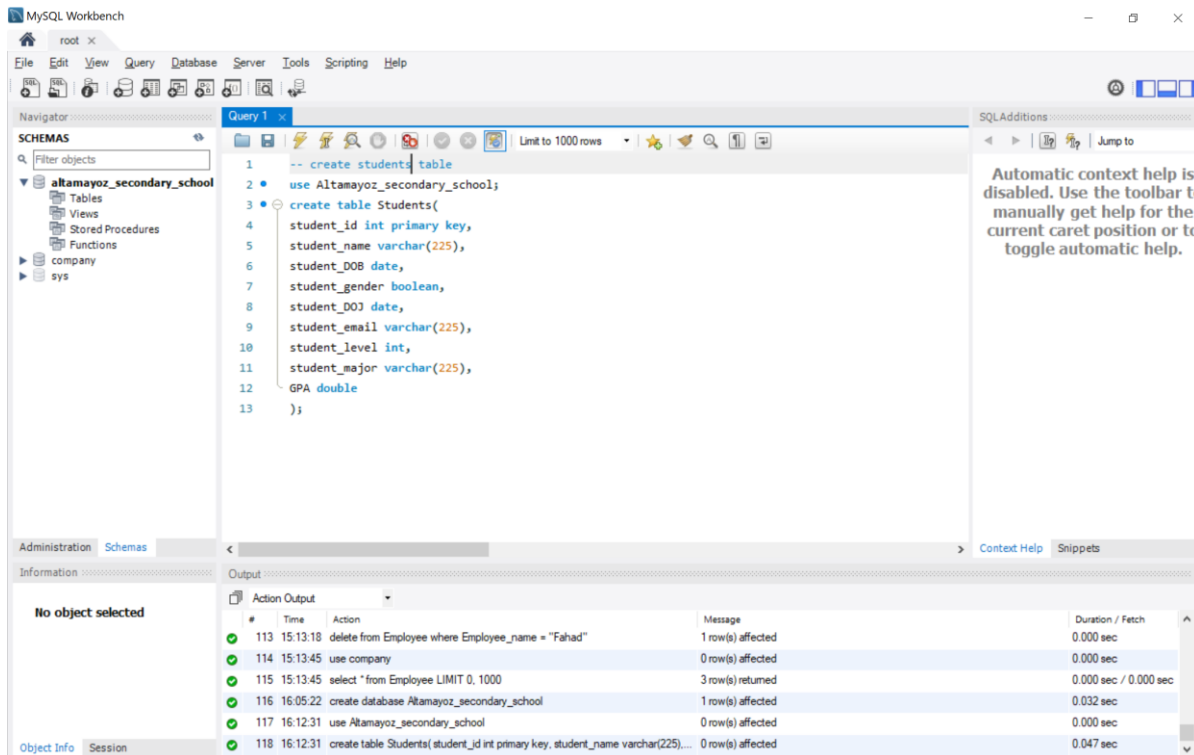
اسم المشرفة: نوره عبدالله

وصف المشروع: انشاء قاعدة بيانات لمدرسة التميز الثانوية

انشاء قاعدة البيانات



• انشاء الجداول



The screenshot shows the MySQL Workbench interface. The Navigator pane on the left displays the 'altamayoz_secondary_school' database with its schema. The central editor shows a SQL query to create a table named 'Teachers' with the following columns: teacher_id (int, primary key), teacher_name (varchar(225)), teacher_DOB (date), teacher_gender (boolean), teacher_email (varchar(225)), and office_number (int). The Output pane at the bottom shows the execution results of the query, indicating that the table was created successfully.

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

altamayoz_secondary_school

Tables

Views

Stored Procedures

Functions

company

sys

Query 1

```
1 -- create teachers table
2 use altamayoz_secondary_school;
3 create table Teachers(
4   teacher_id int primary key,
5   teacher_name varchar(225),
6   teacher_DOB date,
7   teacher_gender boolean,
8   teacher_email varchar(225),
9   office_number int
10 );
```

SQLAdditions

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

Administration Schemas

Information

No object selected

Object Info Session

Output

Action Output

#	Time	Action	Message	Duration / Fetch
115	15:13:45	select 'from Employee LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
116	16:05:22	create database Altamayoz_secondary_school	1 row(s) affected	0.032 sec
117	16:12:31	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
118	16:12:31	create table Students(student_id int primary key, student_name varchar(225)...	0 row(s) affected	0.047 sec
119	16:17:52	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
120	16:17:52	create table Teachers(teacher_id int primary key, teacher_name varchar(225)...	0 row(s) affected	0.047 sec

The screenshot shows the MySQL Workbench interface. The Navigator pane on the left displays the 'altamayoz_secondary_school' database with its schema. The central editor shows a SQL query to create a table named 'courses' with the following columns: course_id (int, primary key) and course_name (varchar(225)). The Output pane at the bottom shows the execution results of the query, indicating that the table was created successfully.

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

altamayoz_secondary_school

Tables

Views

Stored Procedures

Functions

company

sys

Query 1

```
1 -- create courses table
2 use altamayoz_secondary_school;
3 create table courses(
4   course_id int primary key,
5   course_name varchar(225)
6 );
```

SQLAdditions

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

Administration Schemas

Information

No object selected

Object Info Session

Output

Action Output

#	Time	Action	Message	Duration / Fetch
117	16:12:31	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
118	16:12:31	create table Students(student_id int primary key, student_name varchar(225)...	0 row(s) affected	0.047 sec
119	16:17:52	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
120	16:17:52	create table Teachers(teacher_id int primary key, teacher_name varchar(225)...	0 row(s) affected	0.047 sec
121	16:20:55	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
122	16:20:55	create table courses(course_id int primary key, course_name varchar(225))	0 row(s) affected	0.047 sec

• عرض الجداول المتاحة في قاعدة البيانات

The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```
-- show tables
use Altamayoz_secondary_school;
show tables;
```

The 'Result Grid' displays the output of the query:

Tables_in_altamayoz_secondary_school
courses
students
teachers

The 'Output' window shows the execution log:

#	Time	Action	Message	Duration / Fetch
119	16:17:52	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
120	16:17:52	create table Teachers(teacher_id int primary key, teacher_name varchar(225))	0 row(s) affected	0.047 sec
121	16:20:55	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
122	16:20:55	create table courses(course_id int primary key, course_name varchar(225))	0 row(s) affected	0.047 sec
123	16:22:14	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
124	16:22:14	show tables	3 row(s) returned	0.000 sec / 0.000 sec

The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```
-- modify type of student gender
use Altamayoz_secondary_school;
alter table students
modify column student_gender char(225);
```

The 'Result Grid' displays the output of the query:

Tables_in_altamayoz_secondary_school
courses
students
teachers

The 'Output' window shows the execution log:

#	Time	Action	Message	Duration / Fetch
127	16:32:04	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
128	16:32:04	insert into students(student_id, student_name, student_DOB, student_gen...	1 row(s) affected, 3 warning(s): 1265 Data truncated for column 'student_DOB...	0.031 sec
129	16:36:16	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
130	16:36:16	alter table student modify column student_gender char(225)	Error Code: 1146. Table 'altamayoz_secondary_school.student' doesn't exist	0.000 sec
131	16:36:40	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
132	16:36:40	alter table students modify column student_gender char(225)	1 row(s) affected Records: 1 Duplicates: 0 Warnings: 0	0.062 sec

• إدخال معلومات ٣٠ طالب كحد أدنى

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

altamayoz_secondary_sch

Tables

courses

students

Columns

student_id

student_name

student_DOB

student_gender

student_DOO

student_email

student_level

student_major

GPA

Indexes

PRIMARY

Foreign Keys

Triggers

teachers

Views

Stored Procedures

Functions

Administration Schemas

Information

Column: student_id

Definition: student_id int PK

Object Info Session

Query 1 x

Limit to 1000 rows

```

1 -- Insert students informations
2 use Altamayoz_secondary_school;
3 insert into students(student_id,
4 student_name,
5 student_DOB,
6 student_gender,
7 student_DOO,
8 student_email,
9 student_level,
10 student_major,
11 GPA )
12 values (1,"Ahmed", "1997-01-02", "M", "2012-02-01", "ahmed@gmail.com", 2,"scientific", 85.9 );
13 select * from students
14 ;

```

Result Grid

student_id	student_name	student_DOB	student_gender	student_DOO	student_email	student_level	student_major	GPA
1	Ahmed	1997-01-02	M	2012-02-01	ahmed@gmail.com	2	scientific	85.9

students 41 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
143	16:40:08	Refresh Recordset	There are pending changes. Please commit or rollback first.	
144	16:40:10	Refresh Recordset	There are pending changes. Please commit or rollback first.	
145	16:40:37	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
146	16:40:37	use Altamayoz secondary school	0 row(s) affected	0.000 sec

SQL Additions

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

Context Help Snippets

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

altamayoz_secondary_sch

Tables

courses

students

Columns

student_id

student_name

student_DOB

student_gender

student_DOO

student_email

student_level

student_major

GPA

Indexes

PRIMARY

Foreign Keys

Triggers

teachers

Views

Stored Procedures

Functions

Administration Schemas

Information

Column: student_id

Definition: student_id int PK

Object Info Session

Query 1 x

Limit to 1000 rows

```

1 -- Insert students informations
2 use Altamayoz_secondary_school;
3 insert into students(student_id,
4 student_name,
5 student_DOB,
6 student_gender,
7 student_DOO,
8 student_email,
9 student_level,
10 student_major,
11 GPA )
12 values (2,"Sami", "1997-05-02", "M", "2012-03-01", "Sami@gmail.com", 4,"Humanitarian", 99.9 ),
13 (3,"Fahad", "1998-02-02", "M", "2012-03-01", "Fahad@gmail.com", 4,"scientific", 99.9 ),
14 (4,"Sarah", "1997-07-02", "F", "2012-03-01", "Sarah@gmail.com", 5,"scientific", 98.9 ),
15 (5,"Albandry", "1997-05-02", "F", "2012-03-01", "Albandry@gmail.com", 5,"Humanitarian", 97.9 ),
16 (6,"Mohammed", "1996-05-02", "M", "2012-03-01", "Mohammed@gmail.com", 5,"Humanitarian", 95.4 ),
17 (7,"Nasser", "1998-04-02", "M", "2012-03-01", "Nasser@gmail.com", 4,"Humanitarian", 99.7 ),
18 (8,"Hala", "1997-05-02", "F", "2012-03-01", "Hala@gmail.com", 4,"scientific", 79.9 ),
19 (9,"Amjad", "1997-05-02", "F", "2012-03-01", "Amjad@gmail.com", 2,"scientific", 89.9 ),
20 (10,"Saad", "1997-05-02", "M", "2012-03-01", "Saad@gmail.com", 2,"Humanitarian", 97.9 ),
21 (11,"Bander", "1997-05-02", "M", "2012-03-01", "Bander@gmail.com", 4,"scientific", 99.5 ),
22 (12,"Usaid", "1997-05-02", "M", "2012-03-01", "Usaid@gmail.com", 4,"scientific", 99.9 );

```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
147	16:40:37	insert into students(student_id, student_name, student_DOB, student_gen...	1 row(s) affected	0.000 sec
148	16:40:37	select * from students LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
149	16:42:53	insert into students(student_id, student_name, student_DOB, student_gen...	Error Code: 1064. You have an error in your SQL syntax; check the manual th...	0.000 sec

SQL Additions

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

Context Help Snippets

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

altamayoz_secondary_sch

Tables

courses

students

Columns

student_id

student_name

student_DOB

student_gender

student_email

student_level

student_major

GPA

Indexes

PRIMARY

Foreign Keys

Triggers

teachers

Views

Stored Procedures

Functions

Administration Schemas

Information

Column: student_id

Definition: student_id int PK

Object Info Session

Query 1

```

1 -- Insert students informations
2 use Altamayoz_secondary_school;
3 insert into students(student_id,
4 student_name,
5 student_DOB,

```

Result Grid

student_id	student_name	student_DOB	student_gender	student_email	student_level	student_major	GPA
17	Joud	1997-05-02	F	Joud@gmail.com	4	Humanitarian	99.
18	Hattan	1997-05-02	M	Hattan@gmail.com	3	Humanitarian	99.
19	Faisal	1997-05-02	M	Faisal@gmail.com	4	scientific	99.
20	Saleh	1997-05-02	M	Saleh@gmail.com	3	scientific	99.
21	Samar	1998-12-02	F	Samar@gmail.com	1	scientific	99.
22	Hanan	1998-05-02	F	Hanan@gmail.com	5	Humanitarian	99.
23	Tahani	1997-05-02	F	Tahani@gmail.com	4	Humanitarian	99.
24	Salwa	1997-05-02	F	Salwa@gmail.com	4	scientific	99.
25	Abnar	1998-05-02	F	Abnar@gmail.com	6	scientific	99.
26	Fai	1997-02-02	F	Fai@gmail.com	2	scientific	99.
27	Sultan	1997-05-02	M	Sultan@gmail.com	3	scientific	99.
28	Shahad	1997-04-02	F	Shahad@gmail.com	4	scientific	99.
29	Fatmah	1997-05-02	F	Fatmah@gmail.com	6	Humanitarian	99.
30	Abdullah	1997-05-02	M	Abdullah@gmail.com	1	Humanitarian	99.

students 42 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
150	16:59:01	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
151	16:59:01	insert into students(student_id, student_name, student_DOB, student_gen...	29 row(s) affected Records: 29 Duplicates: 0 Warnings: 0	0.031 sec
152	16:59:01	select * from students LIMIT 0. 1000	30 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

• إدخال معلومات ١٠ معلمين كحد أدنى

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

altamayoz_secondary_school

Tables

courses

students

Columns

Indexes

PRIMARY

Foreign Keys

Triggers

teachers

Views

Stored Procedures

Functions

company

sys

Administration Schemas

Information

Column: student_id

Definition: student_id int PK

Object Info Session

Query 1

```

8 teacher_email,
9 office_number
10 )
11 values(1, "Noura", "1990-03-05", "F", "Noura@gmail.com", 223),
12 (2, "Fahad", "1990-03-05", "M", "Fahad@gmail.com", 224),
13 (3, "Fai", "1990-03-05", "F", "Fai@gmail.com", 225),
14 (4, "Sarah", "1993-06-05", "F", "Sarah@gmail.com", 222),
15 (5, "Fatimah", "1990-07-05", "F", "Fatimah@gmail.com", 221),
16 (6, "Samar", "1991-03-04", "F", "Samar@gmail.com", 222),
17 (7, "Lamya", "1992-03-01", "F", "Lamya@gmail.com", 229),
18 (8, "Ali", "1990-02-05", "M", "Ali@gmail.com", 221),
19 (9, "Mohammed", "1991-03-05", "M", "Mohammed@gmail.com", 224),
20 (10, "Sami", "1990-03-05", "M", "Sami@gmail.com", 224);
21 select * from teachers;

```

Result Grid

teacher_id	teacher_name	teacher_DOB	teacher_gender	teacher_email	office_number
1	Noura	1990-03-05	F	Noura@gmail.com	223
2	Fahad	1990-03-05	M	Fahad@gmail.com	224
3	Fai	1990-03-05	F	Fai@gmail.com	225
4	Sarah	1993-06-05	F	Sarah@gmail.com	222
5	Fatimah	1990-07-05	F	Fatimah@gmail.com	221

teachers 43 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
155	17:09:34	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
156	17:09:34	insert into teachers(teacher_id, teacher_name, teacher_DOB, teacher_gen...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
157	17:09:34	select * from teachers LIMIT 0. 1000	10 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

- إدخال معلومات ٦ مواد كحد أدنى

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'altamayoz_secondary_school' database schema with tables 'courses', 'students', and 'teachers'. The 'courses' table is selected, showing columns 'course_id' and 'course_name'. The main editor window contains the following SQL query:

```

1 -- insert courses info
2 use Altamayoz_secondary_school;
3 insert into courses(
4   course_id,
5   course_name
6 )
7 values(1, "Programming"), (2,"Math");
8 select * from courses;

```

The 'Result Grid' shows the output of the query:

course_id	course_name
1	Programming
2	Math

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

#	Time	Action	Message	Duration / Fetch
164	17:12:50	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
165	17:12:50	insert into courses(course_id, course_name) values(1, "Programming"), (2,"...)	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.000 sec
166	17:12:50	select * from courses LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'altamayoz_secondary_school' database schema with tables 'courses', 'students', and 'teachers'. The 'courses' table is selected, showing columns 'course_id', 'teacher_id', 'teacher_name', 'teacher_DOB', 'teacher_gender', 'teacher_email', and 'office_number'. The main editor window contains the following SQL query:

```

1 -- Insert courses info
2 use Altamayoz_secondary_school;
3
4 insert into courses(
5   course_id ,
6   course_name
7 )
8 values(3, "Arabic"),(4, "Physics"),(5, "Fitniss"),(6, "Chemestry");
9 select * from courses;

```

The 'Result Grid' shows the output of the query:

course_id	course_name
1	Programming
2	Math
3	Arabic
4	Physics
5	Fitniss
6	Chemestry

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

#	Time	Action	Message	Duration / Fetch
195	17:38:08	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
196	17:38:08	insert into courses(course_id, course_name) values(3, "Arabic"),(4, "Physic...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.016 sec
197	17:38:08	select * from courses LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

• عرض محتويات جميع الجداول

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'altamayoz_secondary_school' database structure, including tables like 'courses', 'students', and 'teachers'. The main window shows a SQL query: `-- Show students table`, `use Altamayoz_secondary_school;`, and `select * from students;`. The 'Result Grid' displays 15 rows of student data. The 'Output' pane shows the execution log with three actions: selecting from 'students', using the database, and selecting from 'students' again.

student_id	student_name	student_DOB	student_gender	student_DOO	student_email	student_level	student_major	GF
1	Ahmed	1997-01-02	M	2012-02-01	ahmed@gmail.com	2	scientific	85.
2	Sami	1997-05-02	M	2012-03-01	Sami@gmail.com	4	Humanitarian	99.
3	Fahad	1998-02-02	M	2012-03-01	Fahad@gmail.com	4	scientific	99.
4	Sarah	1997-07-02	F	2012-03-01	Sarah@gmail.com	5	scientific	98.
5	Albandry	1997-05-02	F	2012-03-01	Albandry@gmail.com	5	Humanitarian	97.
6	Mohammed	1996-05-02	M	2012-03-01	Mohammed@gmail.com	5	Humanitarian	95.
7	Nasser	1998-04-02	M	2012-03-01	Nasser@gmail.com	4	Humanitarian	99.
8	Hala	1997-05-02	F	2012-03-01	Hala@gmail.com	4	scientific	79.
9	Amjad	1997-05-02	F	2012-03-01	Amjad@gmail.com	2	scientific	89.
10	Saud	1997-05-02	M	2012-03-01	Saud@gmail.com	2	Humanitarian	97.
11	Bander	1997-05-02	M	2012-03-01	Bander@gmail.com	4	scientific	99.
12	Waleed	1997-05-02	M	2012-03-01	Waleed@gmail.com	4	scientific	99.
13	Abdulaziz	1997-05-02	M	2012-03-01	Abdulaziz@gmail.com	4	Humanitarian	99.
14	Haya	1997-05-02	F	2012-03-01	Haya@gmail.com	4	scientific	99.
15	Noura	1997-05-02	F	2012-03-01	Noura@gmail.com	3	Humanitarian	93.

Column: student_id
Definition: student_id int PK

Output:

#	Time	Action	Message	Duration / Fetch
168	17:14:34	select * from students, courses LIMIT 0, 1000	60 row(s) returned	0.000 sec / 0.000 sec
169	17:15:20	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
170	17:15:20	select * from students LIMIT 0, 1000	30 row(s) returned	0.000 sec / 0.000 sec

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

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'altamayoz_secondary_school' database structure. The main window shows a SQL query: `-- Show teachers table`, `use Altamayoz_secondary_school;`, and `select * from teachers;`. The 'Result Grid' displays 10 rows of teacher data. The 'Output' pane shows the execution log with three actions: selecting from 'students', using the database, and selecting from 'teachers'.

teacher_id	teacher_name	teacher_DOB	teacher_gender	teacher_email	office_number
1	Noura	1990-03-05	F	Noura@gmail.com	223
2	Fahad	1990-03-05	M	Fahad@gmail.com	224
3	Fai	1990-03-05	F	Fai@gmail.com	225
4	Sarah	1993-06-05	F	Sarah@gmail.com	222
5	Fatmah	1990-07-05	F	Fatmah@gmail.com	221
6	Samar	1991-03-04	F	Samar@gmail.com	222
7	Lamya	1992-03-01	F	Lamya@gmail.com	229
8	Ali	1990-02-05	M	Ali@gmail.com	221
9	Mohammed	1991-03-05	M	Mohammed@gmail.com	224
10	Sami	1990-03-05	M	Sami@gmail.com	224

Column: student_id
Definition: student_id int PK

Output:

#	Time	Action	Message	Duration / Fetch
170	17:15:20	select * from students LIMIT 0, 1000	30 row(s) returned	0.000 sec / 0.000 sec
171	17:16:02	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
172	17:16:02	select * from teachers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

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

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

altamayoz_secondary_sch

Tables

new_courses

students

Columns

Indexes

PRIMARY

Foreign Keys

Triggers

teachers

Columns

teacher_id

teacher_name

teacher_DOB

teacher_gender

teacher_email

office_number

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

Administration Schemas

Information

No object selected

Object Info Session

Query 1 x

Limit to 1000 rows

1 -- show courses table

2 use Altamayoz_secondary_school;

3

4 select * from courses;

Result Grid

course_id	course_name
1	Programming
2	MATH
3	Arabic
4	Physics
5	Fitness
6	Chemistry

courses 57 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
203	18:20:12	select * from courses LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
204	18:20:23	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
205	18:20:23	select * from courses LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

- عرض محتويات جدول الطلاب مع ترتيب الصفوف تصاعدياً حسب اسم الطالب

MySQL Workbench

root x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

altamayoz_secondary_school

Tables

courses

Columns

course_id

course_name

Indexes

Foreign Keys

Triggers

students

Columns

student_id

student_name

student_DOB

student_gender

student_email

student_level

student_major

GPA

Indexes

PRIMARY

Foreign Keys

Triggers

teachers

Columns

teacher_id

teacher_name

teacher_DOB

teacher_gender

teacher_email

office_number

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Information

Column: student_id

Definition: student_id int PK

Object Info Session

Query 1 x

Limit to 1000 rows

1 -- Show students table in Asc order

2 use Altamayoz_secondary_school;

3 select * from students order by student_name asc;

4

Result Grid

student_id	student_name	student_DOB	student_gender	student_email	student_level	student_major	GPA
13	Abdulaziz	1997-05-02	M	Abdulaziz@gmail.com	4	Humanitarian	99.4
30	Abdullah	1997-05-02	M	Abdullah@gmail.com	1	Humanitarian	99.9
25	Abrar	1998-05-02	F	Abrar@gmail.com	6	scientific	89.9
1	Ahmed	1997-01-02	M	ahmed@gmail.com	2	scientific	85.9
5	Albandry	1997-05-02	F	Albandry@gmail.com	5	Humanitarian	97.9
9	Amjad	1997-05-02	F	Amjad@gmail.com	2	scientific	89.9
11	Bander	1997-05-02	M	Bander@gmail.com	4	scientific	99.5
16	Batool	1997-05-02	F	Batool@gmail.com	4	scientific	88.9
3	Fahad	1998-02-02	M	Fahad@gmail.com	4	scientific	99.9
26	Fai	1997-02-02	F	Fai@gmail.com	2	scientific	99.9
19	Faisal	1997-05-02	M	Faisal@gmail.com	4	scientific	99.9
29	Fatmah	1997-05-02	F	Fatmah@gmail.com	6	Humanitarian	79.9
8	Hala	1997-05-02	F	Hala@gmail.com	4	scientific	79.9
22	Hanan	1998-05-02	F	Hanan@gmail.com	5	Humanitarian	99.9
18	Hattan	1997-05-02	M	Hattan@gmail.com	3	Humanitarian	99.9

students 49 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
174	17:16:26	select * from courses LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
175	17:17:34	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
176	17:17:34	select * from students order by student_name asc LIMIT 0, 1000	30 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

○ التعديل على بيانات احد المعلمين وتغيير رقم المكتب الخاص به

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

```

1 -- Edit column
2 use Altamayoz_secondary_school;
3 update teachers
4 set office_number = "224"
5 where teacher_id = 8;
6 select * from teachers where teacher_id = 8;

```

The 'Result Grid' displays the output of the final SELECT statement:

teacher_id	teacher_name	teacher_DOB	teacher_gender	teacher_email	office_number
8	Ali	1990-02-05	M	Ali@gmail.com	224

The 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
184	17:25:33	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
185	17:25:33	update teachers set office_number = "224" where teacher_id = 8	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
186	17:25:33	select * from teachers where teacher_id = 8 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

● عرض محتويات جدول الطلاب مع اعطاء اسم مستعار لحقل "اسم الطالب" لاختصار اسم العمود أو جعله ذات معنى.

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

```

1 -- Rename column
2 use Altamayoz_secondary_school;
3
4 select student_name as SName from students ;

```

The 'Result Grid' displays the output of the SELECT statement:

SName
Ahmed
Sami
Fahad
Sarah
Albandry
Mohammed
Nasser
Hala
Amjad
Saud
Bander
Waleed
Abdulaziz
Haya
Nayana

The 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
211	18:24:17	select student_name from students AS SName LIMIT 0, 1000	30 row(s) returned	0.000 sec / 0.000 sec
212	18:25:05	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
213	18:25:05	select student_name as SName from students LIMIT 0, 1000	30 row(s) returned	0.000 sec / 0.000 sec

- التعديل على بيانات احد الطلاب وتغيير البريد الالكتروني للطلاب

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'altamayoz_secondary_school' database schema with tables like 'courses', 'students', and 'teachers'. The main query editor contains the following SQL code:

```

3 • update students
4   set student_email = "Abrar25@gmail.com"
5   where student_id = 25;
6
7 • select * from students where student_id = 25;

```

The 'Result Grid' shows the output of the second query, displaying student details for student_id 25:

student_id	student_name	student_DOB	student_gender	student_DOJ	student_email	student_level	student_major	GPA
25	Abrar	1998-05-02	F	2012-03-01	Abrar25@gmail.com	6	scientific	89.9

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

#	Time	Action	Message	Duration / Fetch
181	17:23:14	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
182	17:23:14	update students set student_email = "Abrar25@gmail.com" where student_id = 25	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
183	17:23:14	select * from students where student_id = 25 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

- تعديل اسم احد الجداول

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'altamayoz_secondary_school' database schema. The main query editor contains the following SQL code:

```

1 -- Edit table name
2 use Altamayoz_secondary_school;
3 • alter table courses
4   rename to new_courses;
5 • select * from new_courses;

```

The 'Result Grid' shows the output of the second query, displaying the contents of the 'new_courses' table:

course_id	course_name
1	Programming
2	MATH
3	Arabic
4	Physics
5	Fitness
6	Chemistry

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

#	Time	Action	Message	Duration / Fetch
198	17:44:26	use Altamayoz_secondary_school	0 row(s) affected	0.000 sec
199	17:44:26	alter table courses rename to new_courses	0 row(s) affected	0.016 sec
200	17:44:26	select * from new_courses LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec