

Create Roles

Data Search - search and navigate to the respective record in a single click : Reason #72 to upgrade

```
Query 1 +
1 CREATE TABLE roles (
2     id INT PRIMARY KEY AUTO_INCREMENT,
3     NAME VARCHAR(50) NOT NULL UNIQUE
4 );
```

1 Messages 2 Table Data 3 Info
1 queries executed, 1 success, 0 errors, 0 warnings

Query: CREATE TABLE roles (id INT PRIMARY KEY AUTO_INCREMENT, name VARCHAR(50) NOT NULL UNIQUE)
0 row(s) affected
Execution Time : 0.042 sec
Transfer Time : 0 sec
Total Time : 0.043 sec

Create Users

Data Search - search and navigate to the respective record in a single click : Reason #72 to upgrade

```
Query 1 +
1 CREATE TABLE users (
2     id INT PRIMARY KEY AUTO_INCREMENT,
3     full_name VARCHAR(100) NOT NULL,
4     email VARCHAR(100) NOT NULL UNIQUE,
5     PASSWORD VARCHAR(255) NOT NULL,
6     role_id INT NOT NULL,
7     is_active BOOLEAN DEFAULT TRUE,
8     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
9     FOREIGN KEY (role_id) REFERENCES roles(id)
10    );
```

1 Messages 2 Table Data 3 Info
1 queries executed, 1 success, 0 errors, 0 warnings

Query: CREATE TABLE users (id INT PRIMARY KEY AUTO_INCREMENT, full_name VARCHAR(100) NOT NULL, email VARCHAR(100) NOT NULL UNIQUE, pas...
0 row(s) affected
Execution Time : 0.034 sec
Transfer Time : 0 sec
Total Time : 0.035 sec

Create Students

```
Query 1 +  
1 CREATE TABLE students (  
2     id INT PRIMARY KEY AUTO_INCREMENT,  
3     user_id INT NOT NULL UNIQUE,  
4     student_id VARCHAR(20) NOT NULL UNIQUE,  
5     year_level INT NOT NULL,  
6     program VARCHAR(100) NOT NULL,  
7     is_active BOOLEAN DEFAULT TRUE,  
8     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
9     FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE  
10    );  
  
1 Messages 2 Table Data 3 Info  
1 queries executed, 1 success, 0 errors, 0 warnings  
Query: CREATE TABLE students ( id INT PRIMARY KEY AUTO_INCREMENT, user_id INT NOT NULL UNIQUE, student_id VARCHAR(20) NOT NULL UNIQUE, ...  
0 row(s) affected  
Execution Time : 0.041 sec  
Transfer Time : 0 sec  
Total Time : 0.042 sec
```

Create Courses

```
Search across all databases without writing any queries : Reason #70 to upgrade  
Query 1 +  
1 CREATE TABLE courses (  
2     id INT PRIMARY KEY AUTO_INCREMENT,  
3     course_code VARCHAR(20) NOT NULL UNIQUE,  
4     title VARCHAR(150) NOT NULL,  
5     units INT NOT NULL,  
6     instructor_id INT NULL,  
7     is_active BOOLEAN DEFAULT TRUE,  
8     created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
9     FOREIGN KEY (instructor_id) REFERENCES users(id)  
10    );  
  
1 Messages 2 Table Data 3 Info  
1 queries executed, 1 success, 0 errors, 0 warnings  
Query: CREATE TABLE courses ( id INT PRIMARY KEY AUTO_INCREMENT, course_code VARCHAR(20) NOT NULL UNIQUE, title VARCHAR(150) NOT NULL, ...  
0 row(s) affected  
Execution Time : 0.042 sec  
Transfer Time : 0 sec  
Total Time : 0.042 sec
```

Create Enrollments

Receive status updates over email for scheduled import of external data : Reason #41 to upgrade

Query 1 +

```
1 CREATE TABLE enrollments (
2     id INT PRIMARY KEY AUTO_INCREMENT,
3     student_id INT NOT NULL,
4     course_id INT NOT NULL,
5     enrolled_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
6
7     UNIQUE(student_id, course_id),
8
9     FOREIGN KEY (student_id) REFERENCES students(id) ON DELETE CASCADE,
10    FOREIGN KEY (course_id) REFERENCES courses(id) ON DELETE CASCADE
11 );
```

1 Messages 2 Table Data 3 Info

1 queries executed, 1 success, 0 errors, 0 warnings

Query: CREATE TABLE enrollments (id INT PRIMARY KEY AUTO_INCREMENT, student_id INT NOT NULL, course_id INT NOT NULL, enrolled_at TIMES...

0 row(s) affected

Execution Time : 0.039 sec
Transfer Time : 0 sec
Total Time : 0.039 sec

Create Grades

Schema Optimizer helps fit more data into memory thereby improving response times : Reason #66 to upgrade

Query 1 +

```
1 CREATE TABLE grades (
2     id INT PRIMARY KEY AUTO_INCREMENT,
3     enrollment_id INT NOT NULL UNIQUE,
4     grade VARCHAR(5) NOT NULL,
5     remarks VARCHAR(100),
6     graded_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
7
8     FOREIGN KEY (enrollment_id) REFERENCES enrollments(id) ON DELETE CASCADE
9 );D
```

1 Messages 2 Table Data 3 Info

1 queries executed, 0 success, 1 errors, 0 warnings

Query: CREATE TABLE grades (id INT PRIMARY KEY AUTO_INCREMENT, enrollment_id INT NOT NULL UNIQUE, grade VARCHAR(5) NOT NULL, remarks V...

Error Code: 1050
Table 'grades' already exists

Execution Time : 0 sec
Transfer Time : 0 sec
Total Time : 0.009 sec