

ANKARA ÜNİVERSİTESİ
BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

BLM2058 LAB1

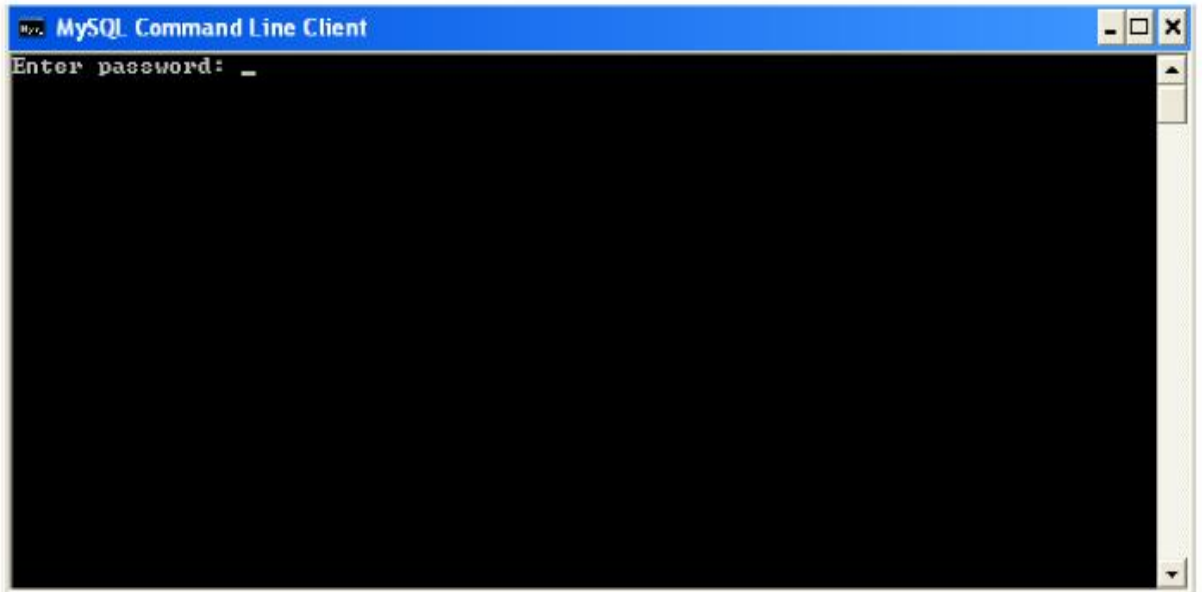
Aşağıdaki tabloyu MySQL komut satırını kullanarak oluşturunuz. Aynı işlemi MySQL workbench kullanarak tekrarlayınız. Tabloyu komut satırından ve workbench den yazdırınız.

Sıra	İsim	Tip	Kanal	Değerleme
1	COLD CASE	Serial	CNBC-E	8.9
2	SEKSENLER	Serial	TRT 1	7.5
3	STADYUM	Sport	TRT 1	6.6
4	ATV ANA HABER	Newscast	ATV	6.5
5	KANAL D HABER	Newscast	KANAL D	5.2

(Değerleme sırası ve değerleri gerçek olmayabilir. Sıralama ve değerler sadece Lab çalışmasında kullanılmak amacıyla oluşturulmuştur.)

Tablo oluşturma ve yazdırma işlemlerini aşağıdaki adımları takip ederek öğrenebilirsiniz.

Örnek (MySQL komut satırı):



```
MySQL Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.1.44-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
```

```
MySQL Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.1.44-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+-----+
| Database |
+-----+
| information_schena |
| mysql |
| test |
+-----+
3 rows in set (0.03 sec)

mysql> _
```

```
MySQL Command Line Client
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.1.44-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+-----+
| Database |
+-----+
| information_schena |
| mysql |
| test |
+-----+
3 rows in set (0.00 sec)

mysql> create database lab1;
Query OK, 1 row affected (0.00 sec)

mysql> _
```

```
MySQL Command Line Client
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| test      |
+-----+
3 rows in set (0.00 sec)

mysql> create database lab1;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| lab1         |
| mysql      |
| test      |
+-----+
4 rows in set (0.02 sec)

mysql>
```

```
MySQL Command Line Client

+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| test      |
+-----+
3 rows in set (0.00 sec)

mysql> create database lab1;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| lab1         |
| mysql      |
| test      |
+-----+
4 rows in set (0.02 sec)

mysql> use lab1;
Database changed
mysql>
```

```
MySQL Command Line Client

3 rows in set (0.00 sec)

mysql> create database lab1;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| lab1         |
| mysql      |
| test      |
+-----+
4 rows in set (0.02 sec)

mysql> use lab1;
Database changed
mysql> create table Student(
    -> name char(30),
    -> id int,
    -> gpa float);
Query OK, 0 rows affected (0.02 sec)

mysql>
```

```
MySQL Command Line Client
+-----+
| lab1 |
| mysql |
| test |
+-----+
4 rows in set (0.02 sec)

mysql> use lab1;
Database changed
mysql> create table Student(
  -> name char(30),
  -> id int,
  -> gpa float);
Query OK, 0 rows affected (0.02 sec)

mysql> describe Student;
+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+
| name  | char(30)  | YES  |     | NULL    |       |
| id    | int(11)   | YES  |     | NULL    |       |
| gpa   | float     | YES  |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

mysql>
```

```
MySQL Command Line Client
+-----+
4 rows in set (0.02 sec)

mysql> use lab1;
Database changed
mysql> create table Student(
  -> name char(30),
  -> id int,
  -> gpa float);
Query OK, 0 rows affected (0.02 sec)

mysql> describe Student;
+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+
| name  | char(30)  | YES  |     | NULL    |       |
| id    | int(11)   | YES  |     | NULL    |       |
| gpa   | float     | YES  |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

mysql> insert into Student values("Furkan",2004,3.52);
Query OK, 1 row affected (0.06 sec)

mysql>
```

```
MySQL Command Line Client
  -> gpa float);
Query OK, 0 rows affected (0.02 sec)

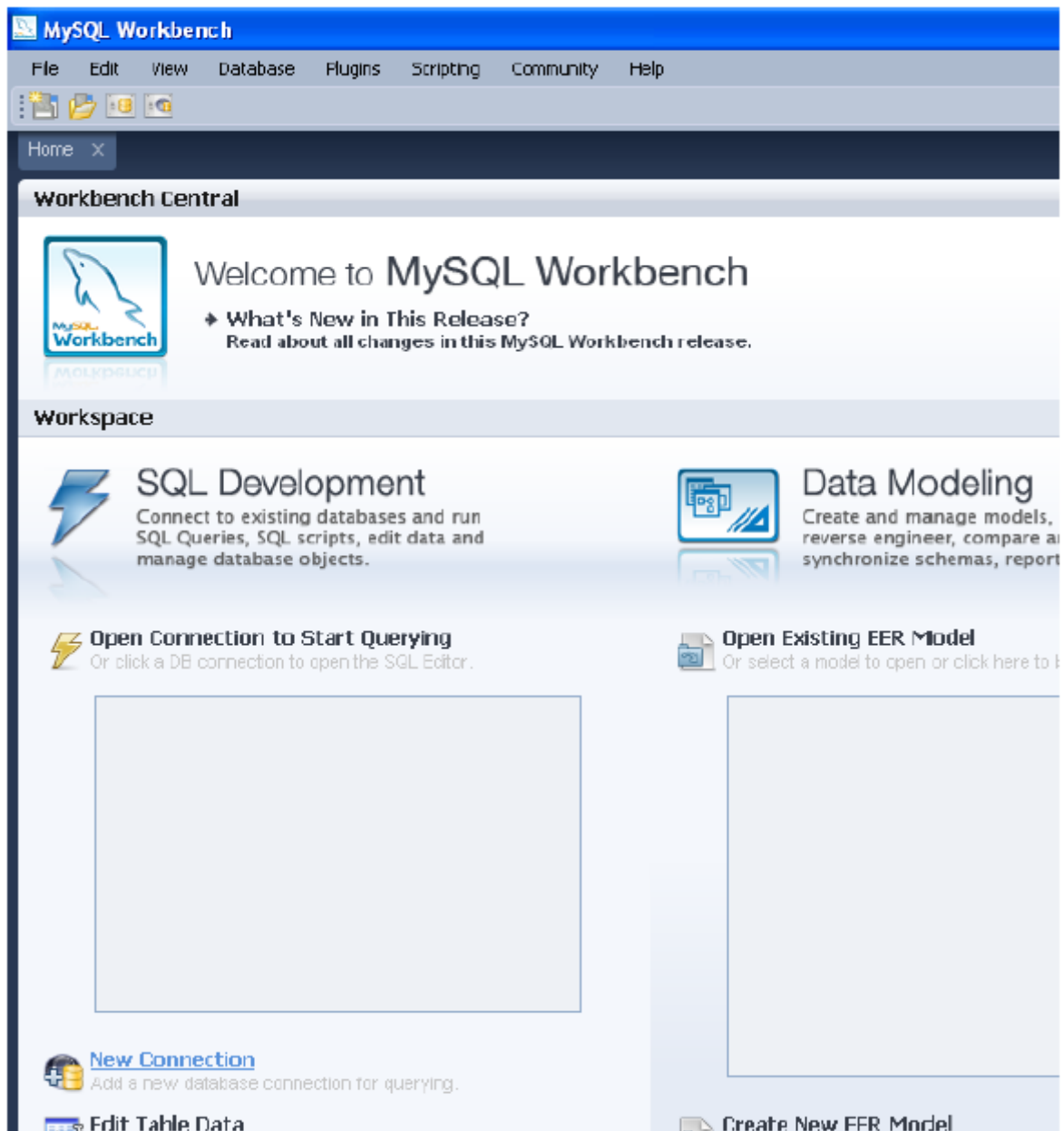
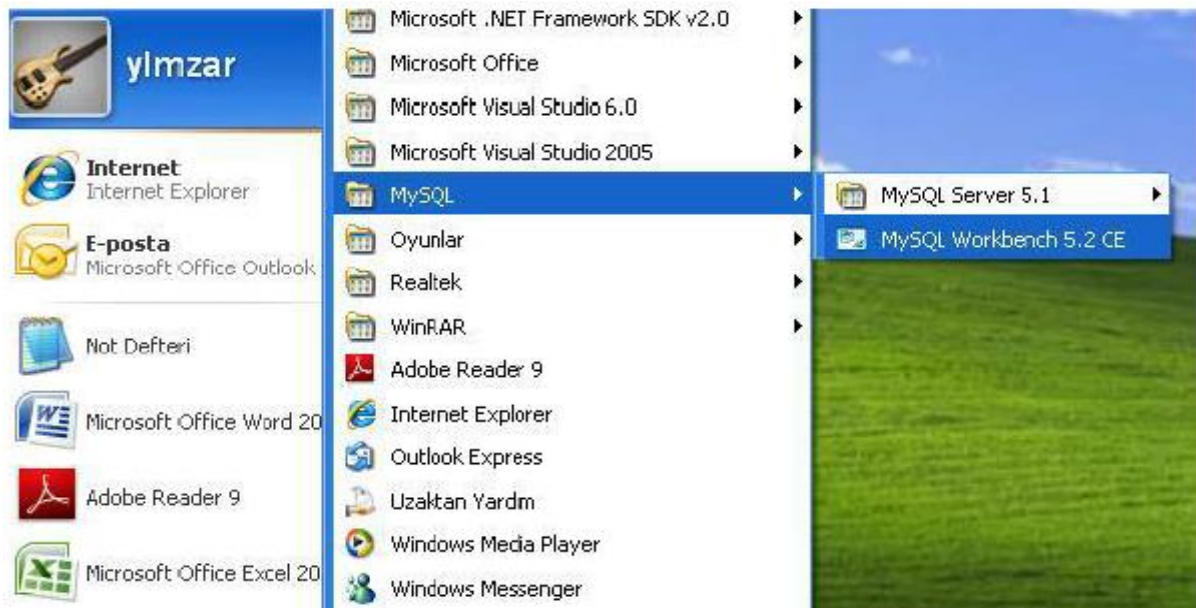
mysql> describe Student;
+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+
| name  | char(30)  | YES  |     | NULL    |       |
| id    | int(11)   | YES  |     | NULL    |       |
| gpa   | float     | YES  |     | NULL    |       |
+-----+
3 rows in set (0.02 sec)

mysql> insert into Student values("Furkan",2004,3.52);
Query OK, 1 row affected (0.06 sec)

mysql> select * from Student;
+-----+
| name  | id  | gpa |
+-----+
| Furkan | 2004 | 3.52 |
+-----+
1 row in set (0.00 sec)

mysql>
```

Örnek (MySQL workbench):



Setup New Connection

Connection Name: Type a name for the connection

Connection Method: Method to use to connect to the RDBMS

Parameters Advanced

Hostnames: Port: Name or IP address of the server host - TCP/IP port

Username: Name of the user to connect with.

Password: The user's password.

Default Schema: The schema that will be used as default schema

MySQL Workbench

File Edit View Query Database Plugins Scripting Community Help

Home SQL Editor (myConnection) x

Object Browser


Default:

- test
 - Tables
 - Views
 - Routines


SQL Query x

1


Overview Output Snippets

 **test**
MySQL Schema


Tables (0 items)

 Add Table

Views (0 items)

 Add View

Routines (0 items)

 Add Routine

new_table

Name:

Collation:

Engine:

Comments:

The name of the table. It is recommended to use only alpha-numeric characters. Spaces should be avoided and be replaced by _.

The character/colation specifies which language specific characters can be stored in the table and their sort order. Common choices are Latin1 or UTF8.

The database engine that is used for the table. This option affects performance, data consistency and much more.

Table Columns Indexes Foreign Keys Triggers Partitioning Options

DBMS feedback messages will go here upon applying changes.

Apply Revert Close

new_table

Column Name	Datatype	PK	NN	UQ	BIN	UN	ZF	AJ	Default
idnew_table	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ad	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
gpa	DOUBLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Details

Collation:

Table Default:

Comments:

Table Columns Indexes Foreign Keys Triggers Partitioning Options

DBMS feedback messages will go here upon applying changes.

Apply Revert Close

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

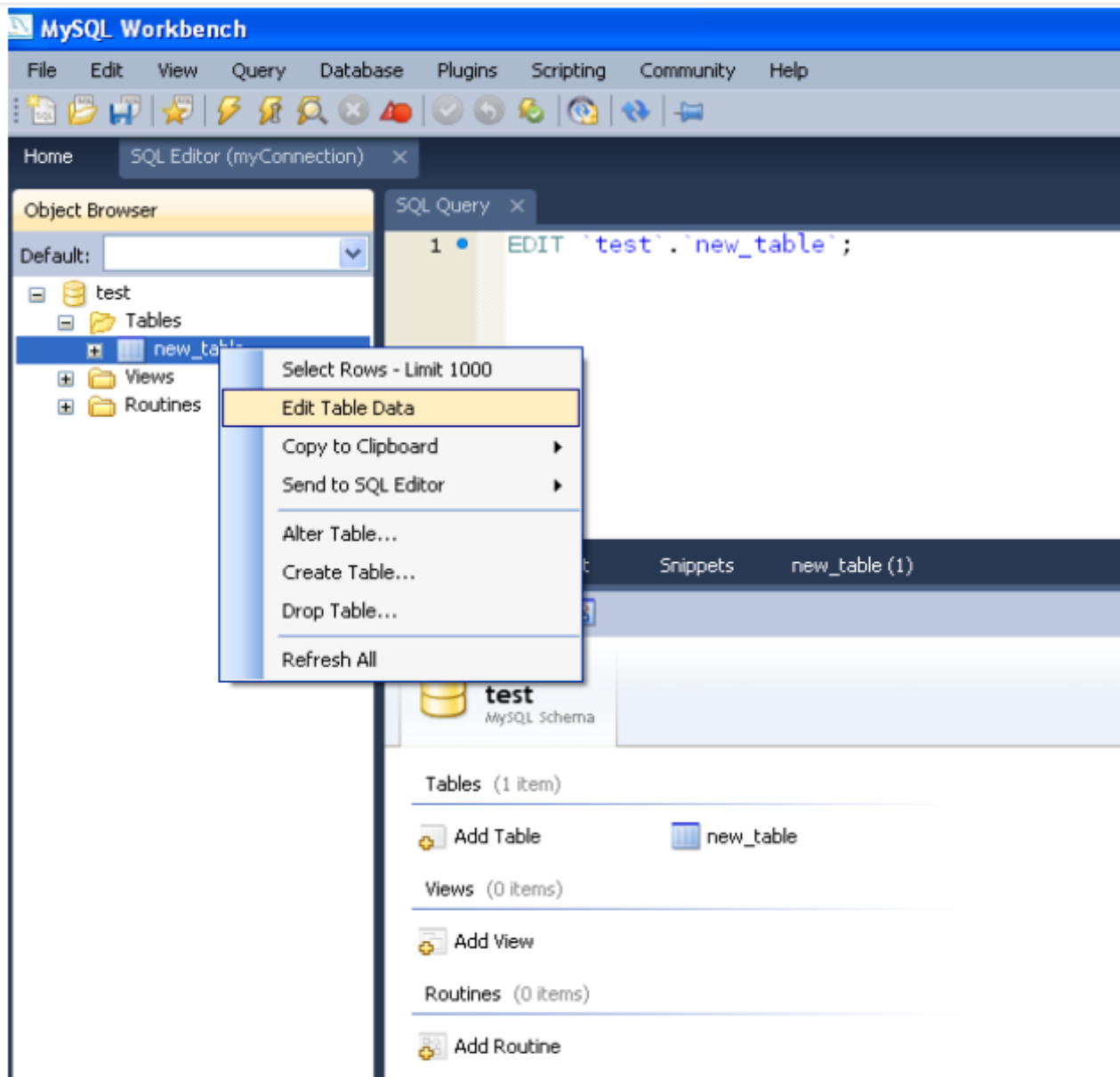
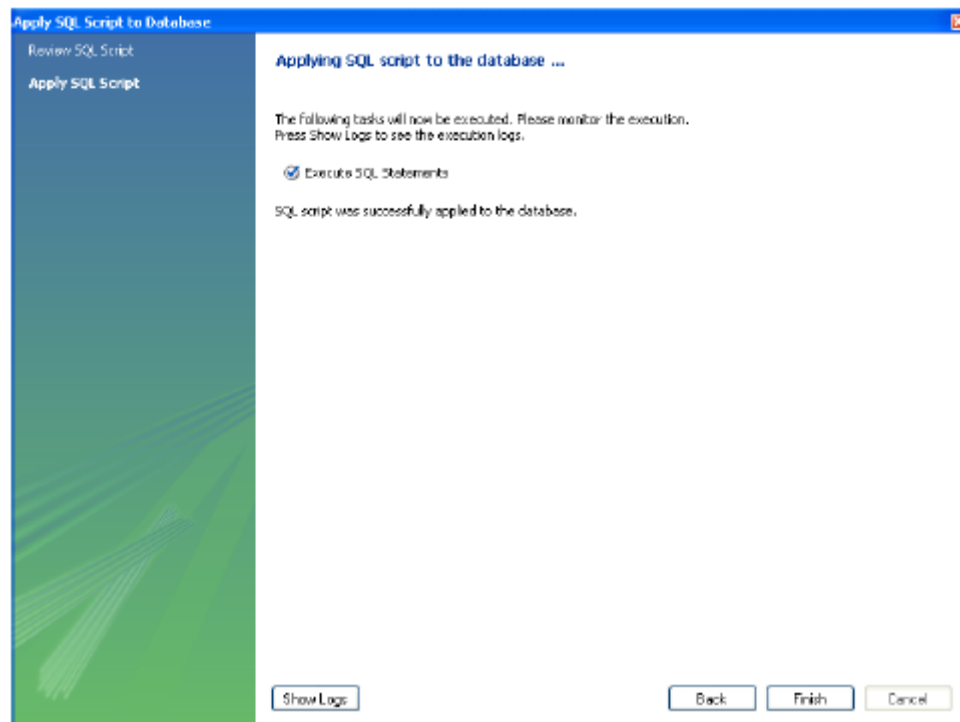
Review the SQL Script to be Applied on the Database

Please review the following SQL script that will be applied to the database. Note that once applied, these statements may not be revertible without losing some of the data. You can also manually change the SQL statements before execution.

SQL Statement(s):

```
CREATE TABLE `test`.`new_table` (
  `idnew_table` INT NOT NULL ,
  `ad` VARCHAR(45) NULL ,
  `gpa` DOUBLE NULL ,
  PRIMARY KEY (`idnew_table`));
```

Back Apply SQL Cancel



MySQL Workbench

File Edit View Query Database Plugins Scripting Community Help

Home SQL Editor (myConnection) x

Object Browser

Default: [v]

- test
 - Tables
 - new_table
 - Views
 - Routines

SQL Query SQL Query x

1 EDIT test.new_table;

Overview Output Snippets new_table(t)* x

Fetches 0 records, inserted 2

idnew_table	ad	gpa
1	Ahmet	4.00
2	Meh...	2.50
NULL	NULL	NULL

Apply changes to data

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Please review the following SQL script that will be applied to the database.
Note that once applied, these statements may not be reversible without losing some of the data.
You can also manually change the SQL statements before execution.

SQL Statement(s):

```
INSERT INTO `test`.`new_table` (`idnew_table`, `ad`, `gpa`) VALUES ('1', 'Ahmet', '4.00');
INSERT INTO `test`.`new_table` (`idnew_table`, `ad`, `gpa`) VALUES ('2', 'Mehmet', '2.50');
```

Back Apply SQL Cancel

