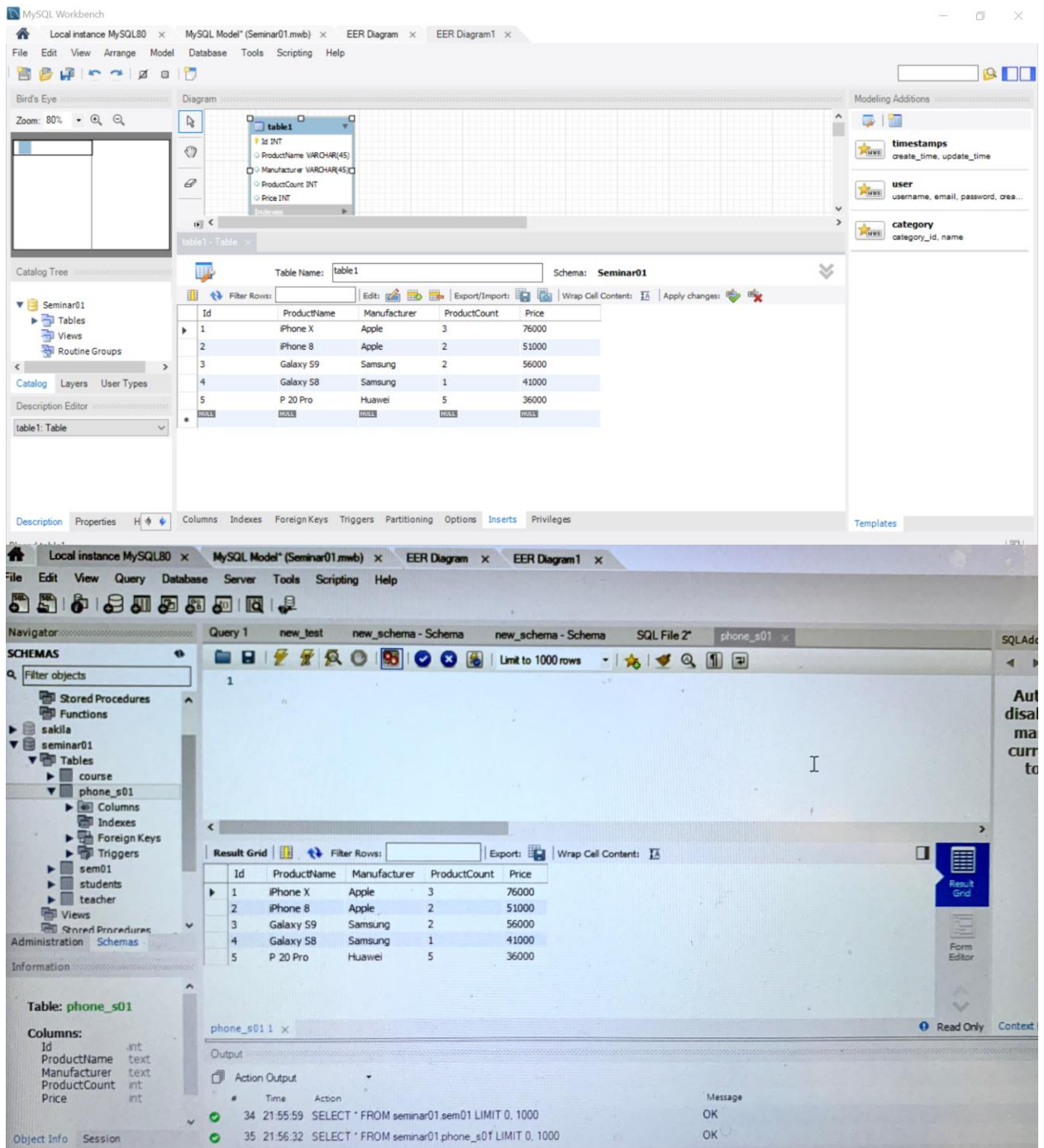


## Урок 1. Установка СУБД, подключение к БД, просмотр и создание таблиц

### 1. Создайте таблицу с мобильными телефонами, используя графический интерфейс. Заполните БД данными



The screenshot displays the MySQL Workbench interface. The top pane shows the 'Diagram' view of a table named 'table1' in the 'Seminar01' schema. The table structure is defined as follows:

Column	Data Type
Id	INT
ProductName	VARCHAR(45)
Manufacturer	VARCHAR(45)
ProductCount	INT
Price	INT

The bottom pane shows the 'Table' view of the same table, displaying the following data:

Id	ProductName	Manufacturer	ProductCount	Price
1	iPhone X	Apple	3	76000
2	iPhone 8	Apple	2	51000
3	Galaxy S9	Samsung	2	56000
4	Galaxy S8	Samsung	1	41000
5	P 20 Pro	Huawei	5	36000

The bottom pane also shows the 'Query' view with the following SQL query:

```
SELECT * FROM seminar01.sem01 LIMIT 0, 1000
```

The bottom pane also shows the 'Result Grid' view with the following data:

Id	ProductName	Manufacturer	ProductCount	Price
1	iPhone X	Apple	3	76000
2	iPhone 8	Apple	2	51000
3	Galaxy S9	Samsung	2	56000
4	Galaxy S8	Samsung	1	41000
5	P 20 Pro	Huawei	5	36000

The bottom pane also shows the 'Action Output' view with the following messages:

```
34 21:55:59 SELECT * FROM seminar01.sem01 LIMIT 0, 1000 OK
35 21:56:32 SELECT * FROM seminar01.phone_s01 LIMIT 0, 1000 OK
```

2. Выведите название, производителя и цену для товаров, количество которых превышает 2

```
SELECT ProductName, Manufacturer, Price FROM seminar01.phone_s01  
WHERE ProductCount > 2;
```

MySQL Workbench

Local instance MySQL80 x MySQL Model\* (Seminar01.mwb) x EER Diagram x EER Diagram1 x

MySQL 8.0 Command Line Client

Empty set (0.00 sec)

```
mysql> show databases;
```

Database
information_schema
mysql
new_schema
performance_schema
sakila
seminar01
sys
test1
world

9 rows in set (0.00 sec)

```
mysql> use seminar01;
```

Database changed

```
mysql> SELECT ProductName, Manufacturer, Price FROM seminar01.phone_s01 WHERE ProductCount > 2;
```

ProductName	Manufacturer	Price
iPhone X	Apple	76000
P 20 Pro	Huawei	36000

2 rows in set (0.00 sec)

```
mysql>
```

MySQL Model\* (Seminar01.mwb) x EER Diagram x EER Diagram1 x

base Server Tools Scripting Help

Query 1 new\_test new\_schema - Schema new\_schema - Schema SQL File 2\* phone\_s01 phone\_s01

Limit to 1000 rows

```
1 • SELECT ProductName, Manufacturer, Price FROM seminar01.phone_s01 WHERE ProductCount > 2;
```

Result Grid

ProductName	Manufacturer	Price
iPhone X	Apple	76000
P 20 Pro	Huawei	36000

### 3. Выведите весь ассортимент товаров марки “Samsung”

`SELECT * FROM seminar01.phone_s01 WHERE Manufacturer = 'Samsung';`

Workbench

local instance MySQL80 x MySQL Model\* (Seminar01.mwb) x EER Diagram x EER Diagram1 x

MySQL 8.0 Command Line Client

```
Database
+-----+
| information_schema |
| mysql              |
| new_schema         |
| performance_schema |
| sakila             |
| seminar01          |
| sys                |
| test1              |
| world              |
+-----+
9 rows in set (0.00 sec)

mysql> use seminar01;
Database changed
mysql> SELECT ProductName, Manufacturer, Price FROM seminar01.phone_s01 WHERE ProductCount > 2;
+-----+-----+-----+
| ProductName | Manufacturer | Price |
+-----+-----+-----+
| iPhone X    | Apple       | 76000 |
| P 20 Pro    | Huawei      | 36000 |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM seminar01.phone_s01 WHERE Manufacturer = 'Samsung';
+-----+-----+-----+-----+-----+
| Id | ProductName | Manufacturer | ProductCount | Price |
+-----+-----+-----+-----+-----+
| 3  | Galaxy S9   | Samsung     | 2            | 56000 |
| 4  | Galaxy S8   | Samsung     | 1            | 41000 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

