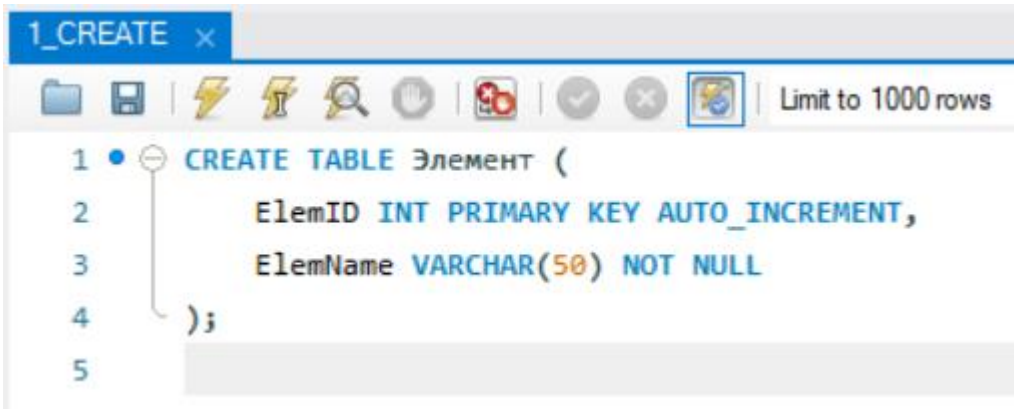
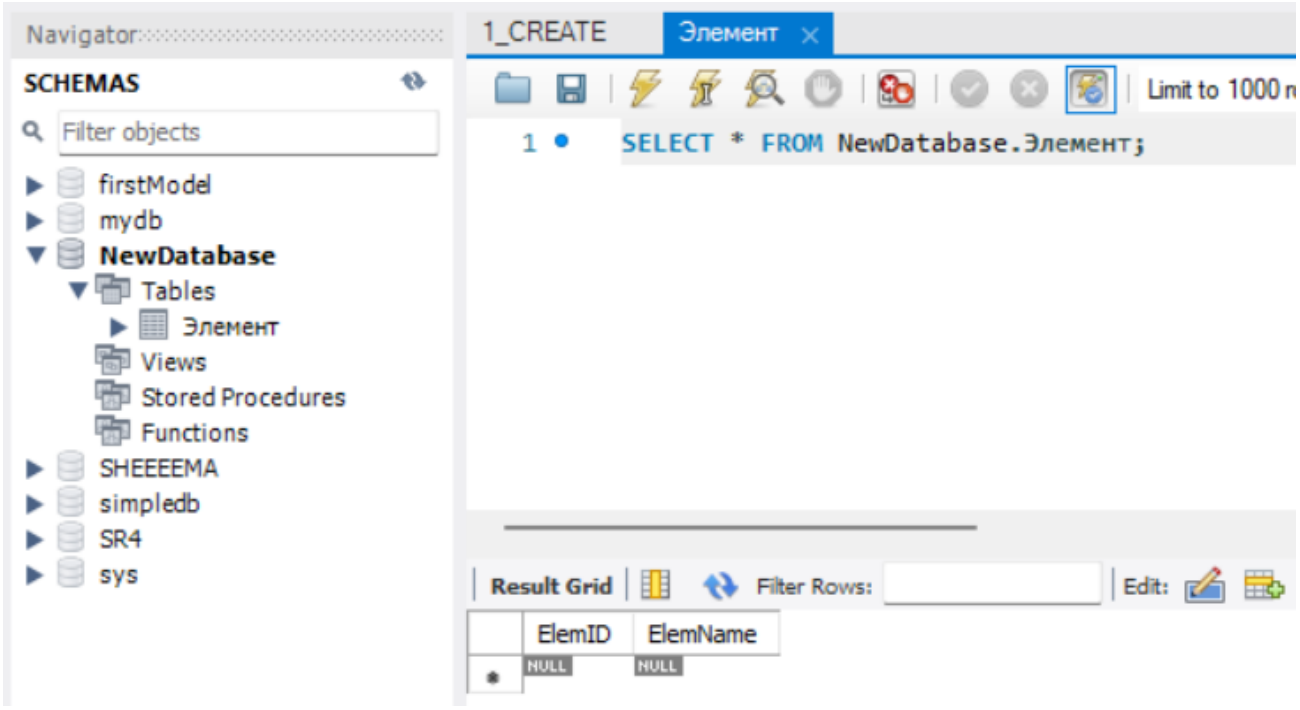
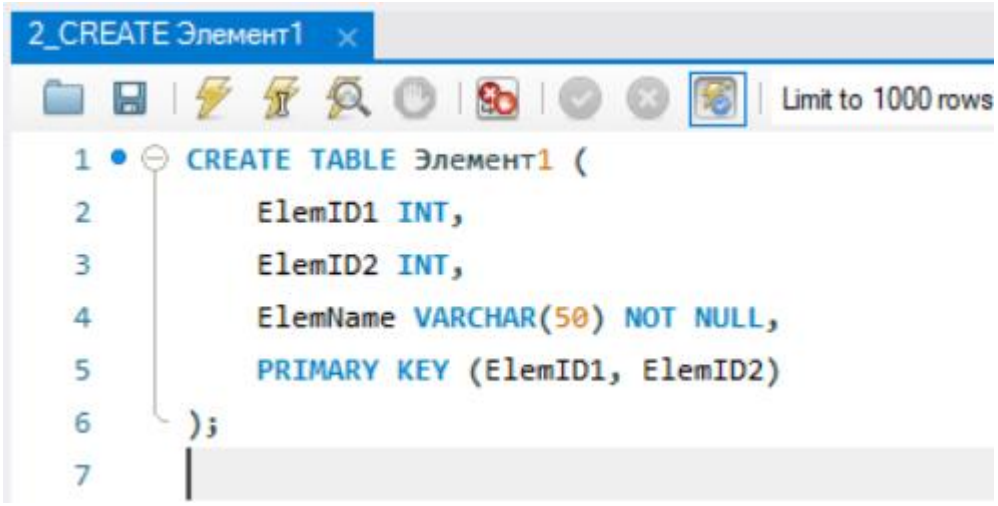
# ВСР 4.1_2

Задание 1:

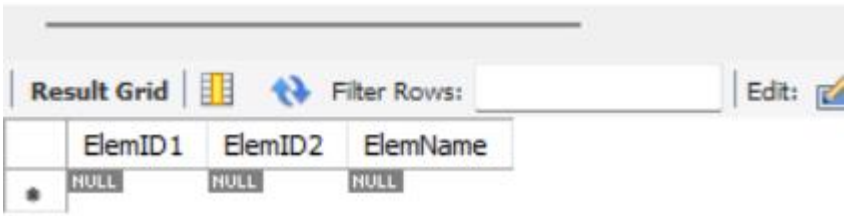



Задание 2:

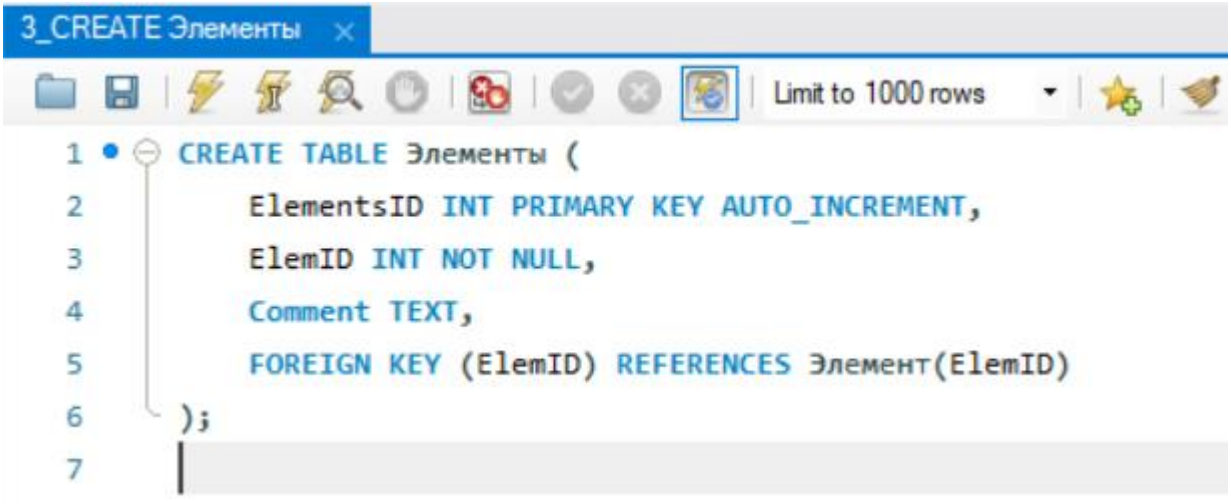


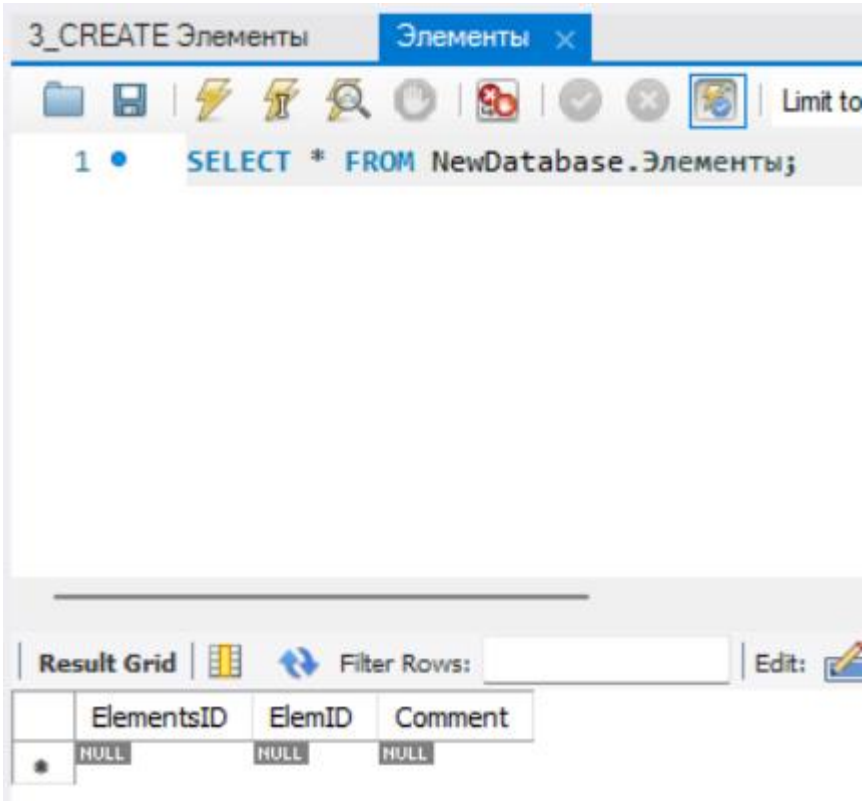




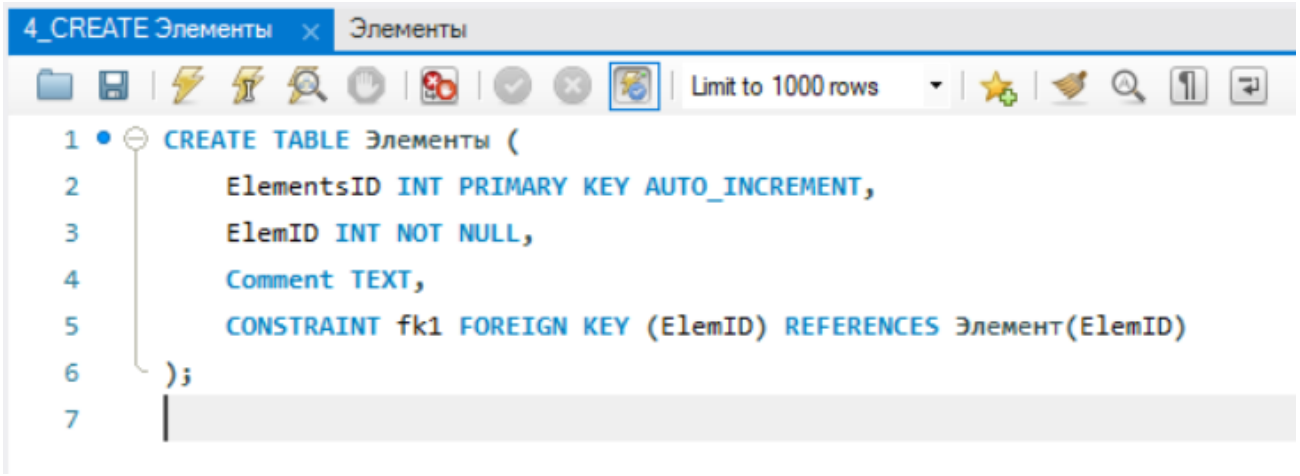

Этот запрос создаст таблицу "Элемент1" с тремя столбцами: ElemID1, ElemID2 и ElemName. Первичным ключом будет комбинация столбцов ElemID1 и ElemID2.

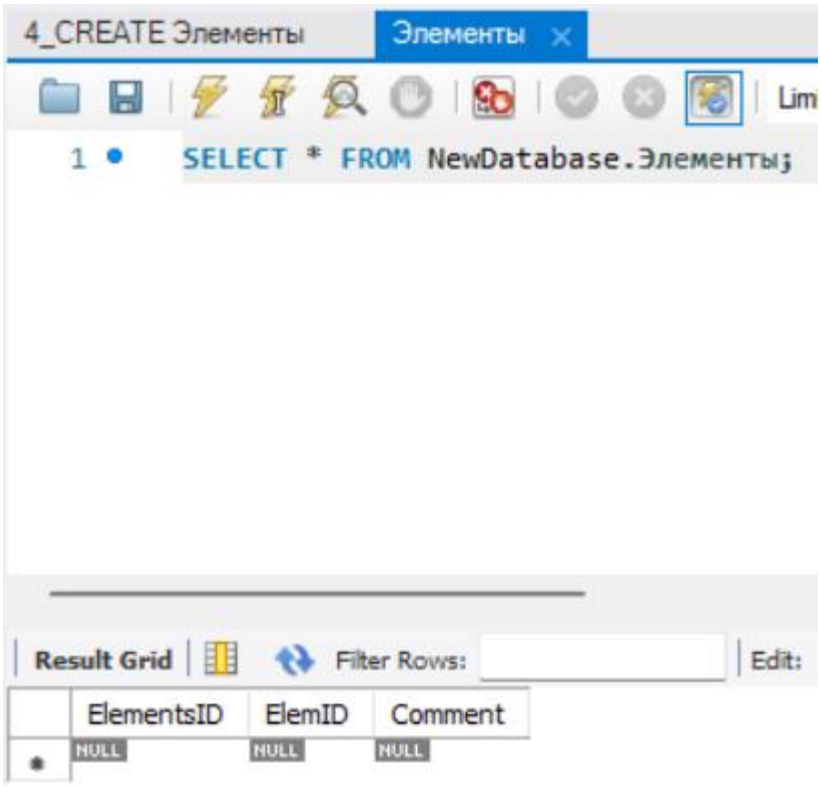
Задание 3:


3_CREATE Элементы
Limit to 1000 rows
1 CREATE TABLE Элементы (
2 ElementsID INT PRIMARY KEY AUTO_INCREMENT,
3 ElemID INT NOT NULL,
4 Comment TEXT,
5 FOREIGN KEY (ElemID) REFERENCES Элемент(ElemID)
6 );
7


3_CREATE Элементы
Элементы
Limit to
1 SELECT * FROM NewDatabase.Элементы;
Result Grid
Filter Rows:
Edit:
ElementsID
ElemID
Comment
NULL
NULL
NULL

Задание 4:


4_CREATE Элементы
Элементы
Limit to 1000 rows
1 CREATE TABLE Элементы (
2 ElementsID INT PRIMARY KEY AUTO_INCREMENT,
3 ElemID INT NOT NULL,
4 Comment TEXT,
5 CONSTRAINT fk1 FOREIGN KEY (ElemID) REFERENCES Элемент(ElemID)
6 );
7


4_CREATE Элементы
Элементы
1 SELECT * FROM NewDatabase.Элементы;
Result Grid
Filter Rows:
Edit:
ElementsID
ElemID
Comment
NULL
NULL
NULL

Задание 5:

5_CREATE Book | 6_CREATE BookStatus | 7_CREATE BookInLib

Limit to 1000 rows

```sql
CREATE TABLE Book (
    BookID INT PRIMARY KEY AUTO_INCREMENT,
    Title VARCHAR(255) NOT NULL,
    AuthorID INT NOT NULL,
    Genre VARCHAR(100),
    UNIQUE (Title),
    FOREIGN KEY (AuthorID) REFERENCES Author(AuthorID)
);
```

5_CREATE Book | 6_CREATE BookStatus | 7_CREATE BookInLib

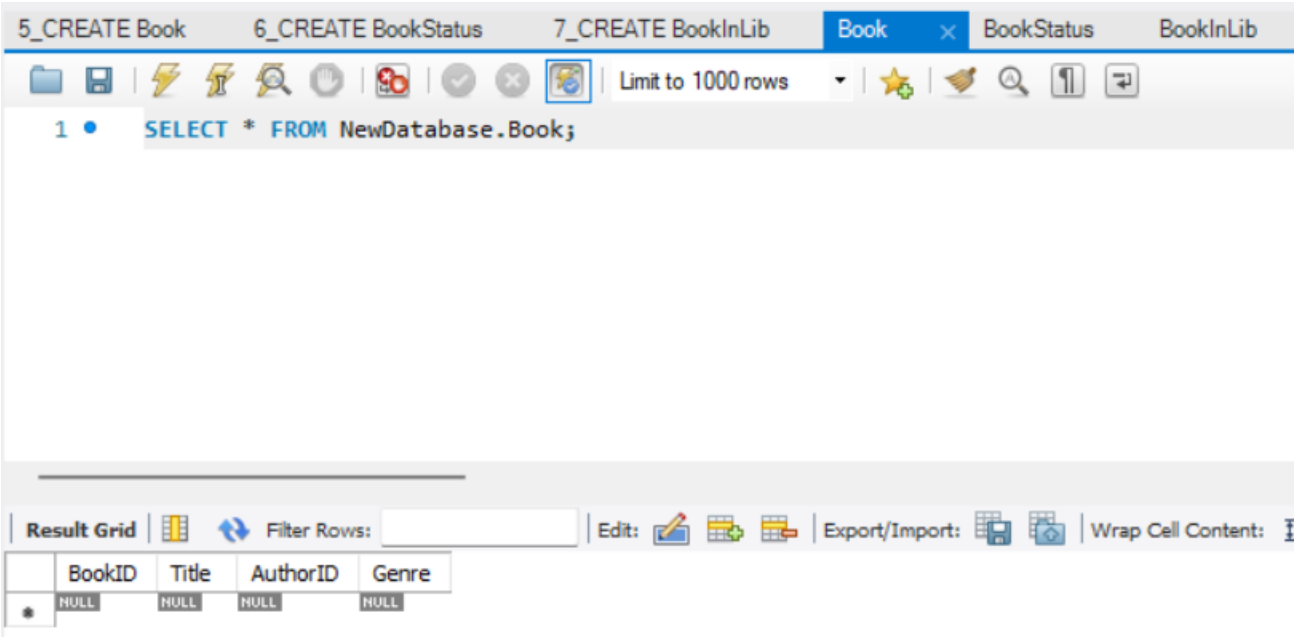
Limit to 1000 rows

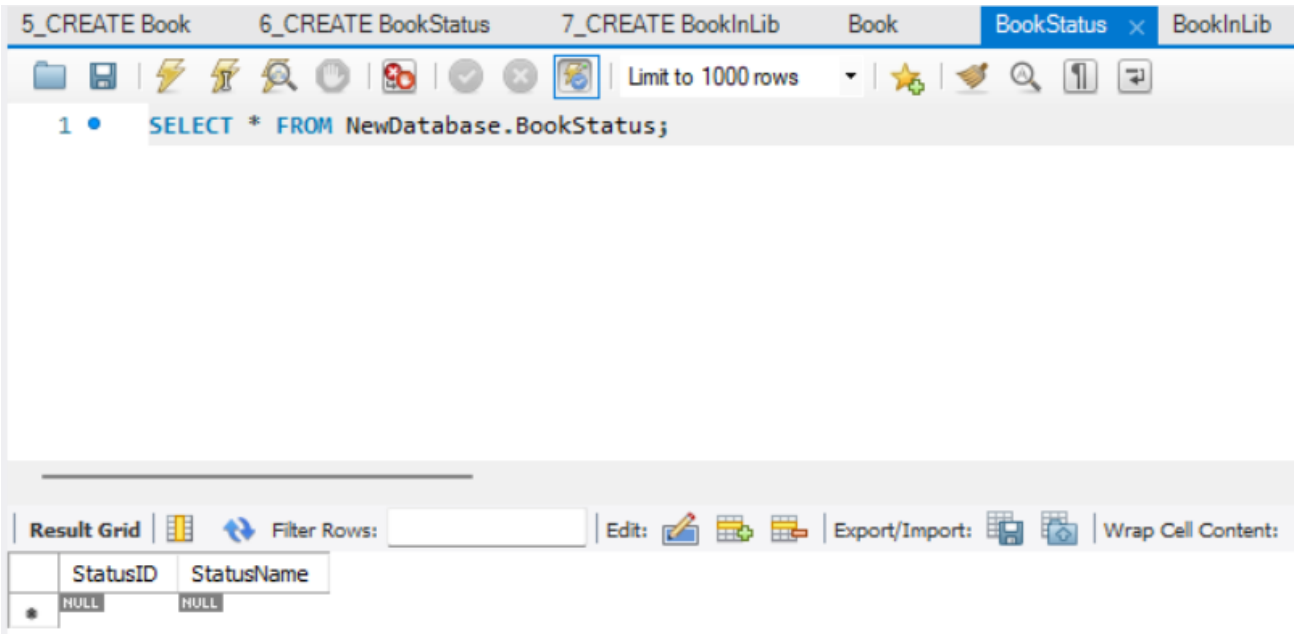
```sql
CREATE TABLE BookStatus (
    StatusID INT PRIMARY KEY AUTO_INCREMENT,
    StatusName VARCHAR(50) NOT NULL UNIQUE
);
```

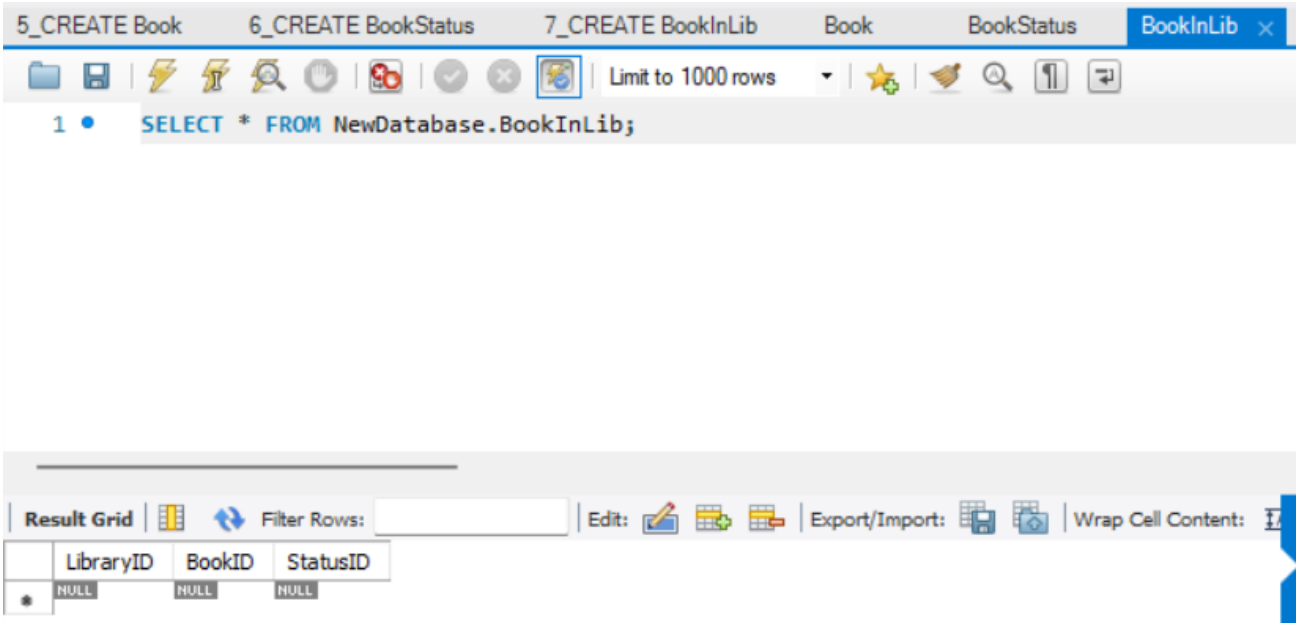
5_CREATE Book | 6_CREATE BookStatus | 7_CREATE BookInLib

Limit to 1000 rows

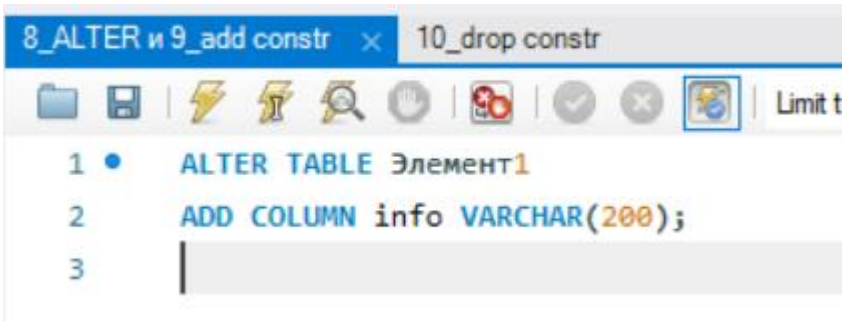
```sql
CREATE TABLE BookInLib (
    LibraryID INT,
    BookID INT,
    StatusID INT,
    CONSTRAINT pk_LibraryBook PRIMARY KEY (LibraryID, BookID),
    FOREIGN KEY (LibraryID) REFERENCES Library(LibraryID),
    FOREIGN KEY (BookID) REFERENCES Book(BookID),
    FOREIGN KEY (StatusID) REFERENCES BookStatus(StatusID)
);
```

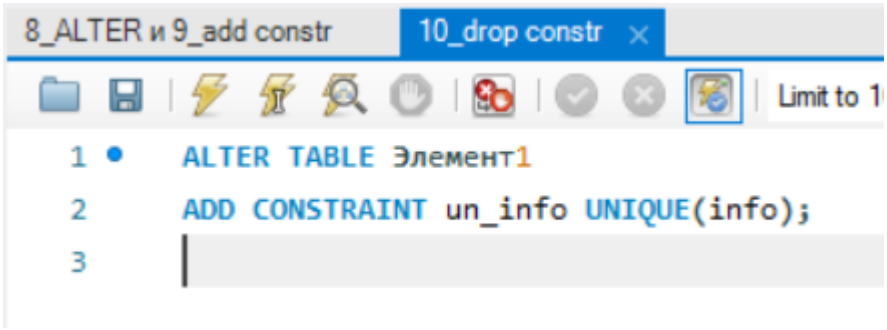

5_CREATE Book
6_CREATE BookStatus
7_CREATE BookInLib
Book
BookStatus
BookInLib
Limit to 1000 rows
1
SELECT * FROM NewDatabase.Book;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
BookID
Title
AuthorID
Genre
NULL

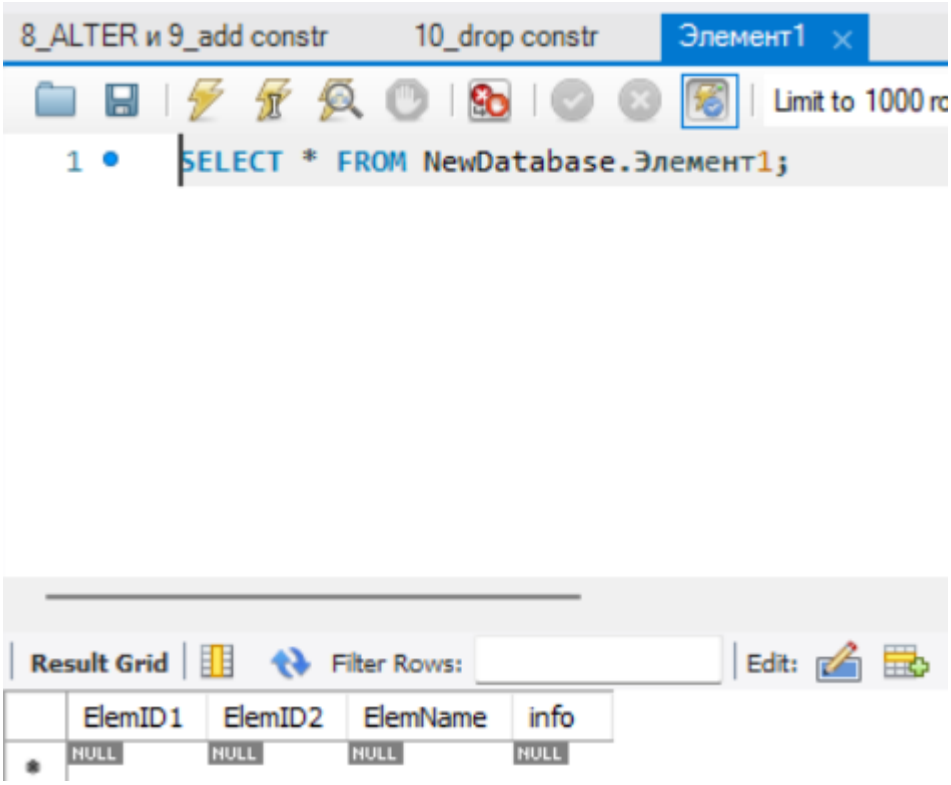

5_CREATE Book
6_CREATE BookStatus
7_CREATE BookInLib
Book
BookStatus
BookInLib
Limit to 1000 rows
1
SELECT * FROM NewDatabase.BookStatus;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
StatusID
StatusName
NULL


5_CREATE Book
6_CREATE BookStatus
7_CREATE BookInLib
Book
BookStatus
BookInLib
Limit to 1000 rows
1
SELECT * FROM NewDatabase.BookInLib;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
LibraryID
BookID
StatusID
NULL
NULL
NULL

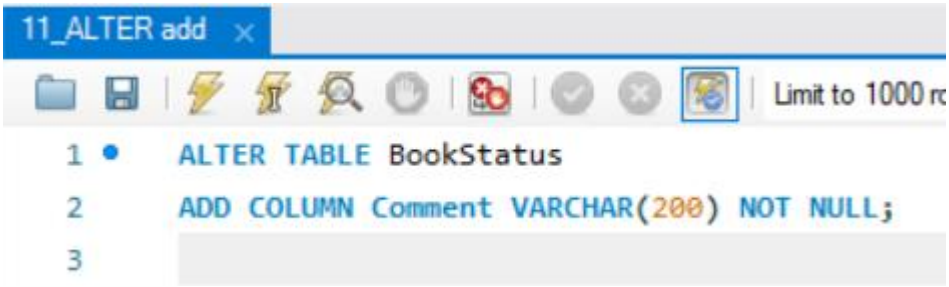
Задание 6:

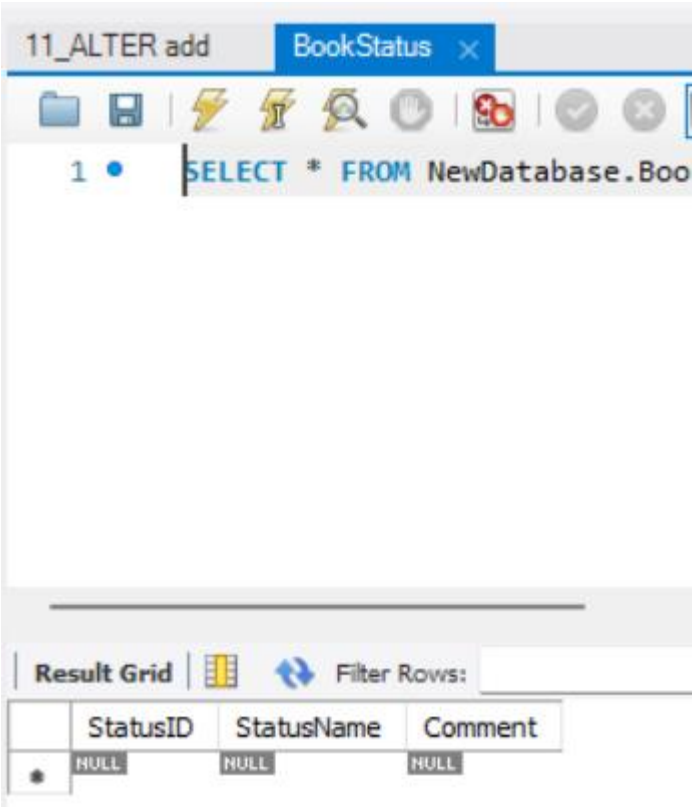

8_ALTER и 9_add constr
10_drop constr
Limit t
1
ALTER TABLE Элемент1
2
ADD COLUMN info VARCHAR(200);
3


8_ALTER и 9_add constr
10_drop constr
Limit to 1
1
ALTER TABLE Элемент1
2
ADD CONSTRAINT un_info UNIQUE(info);
3

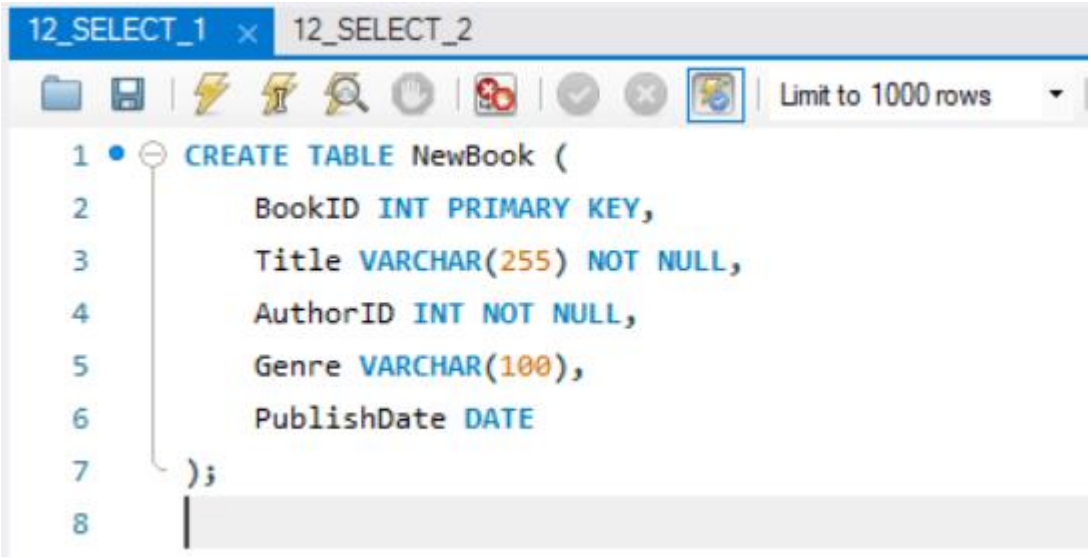

8_ALTER и 9_add constr
10_drop constr
Элемент1
Limit to 1000 ro
1
SELECT * FROM NewDatabase.Элемент1;
Result Grid
Filter Rows:
Edit:
ElemID1
ElemID2
ElemName
info
NULL
NULL
NULL
NULL

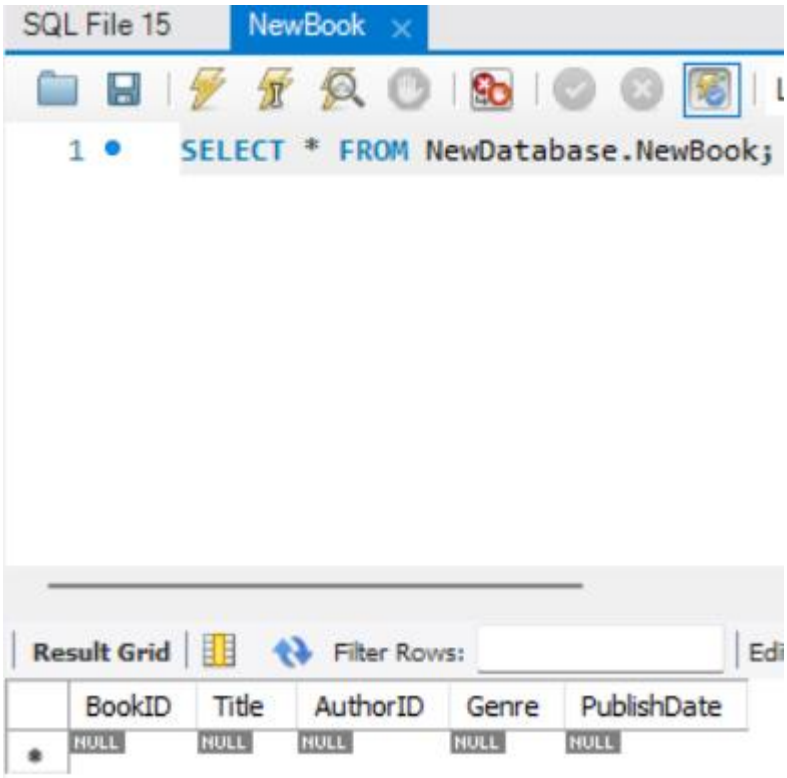
Задание 7:


11_ALTER add
Limit to 1000 ro
1
ALTER TABLE BookStatus
2
ADD COLUMN Comment VARCHAR(200) NOT NULL;
3


11_ALTER add
BookStatus
1
SELECT * FROM NewDatabase.Boo
Result Grid
Filter Rows:
StatusID
StatusName
Comment
NULL
NULL
NULL

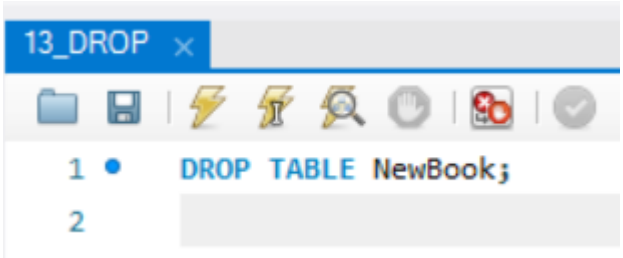
Задание 8:


12_SELECT_1
12_SELECT_2
Limit to 1000 rows
1 CREATE TABLE NewBook (
2 BookID INT PRIMARY KEY,
3 Title VARCHAR(255) NOT NULL,
4 AuthorID INT NOT NULL,
5 Genre VARCHAR(100),
6 PublishDate DATE
7 );
8


В SQL Workbench нет поддержки конструкции SELECT ... INTO ... для создания новой таблицы на основе выборки из существующей таблицы, как в некоторых других СУБД. Вместо этого, вы можете вручную создать новую таблицу "NewBook" с нужной структурой и затем вставить в неё данные из таблицы "Book"

Задание 9:



| | | | | |
|---|---|---|---|---|
| ✔ | 34 | 12:50:04 | DROP TABLE NewBook | 0 row(s) affected |

Задание 10: