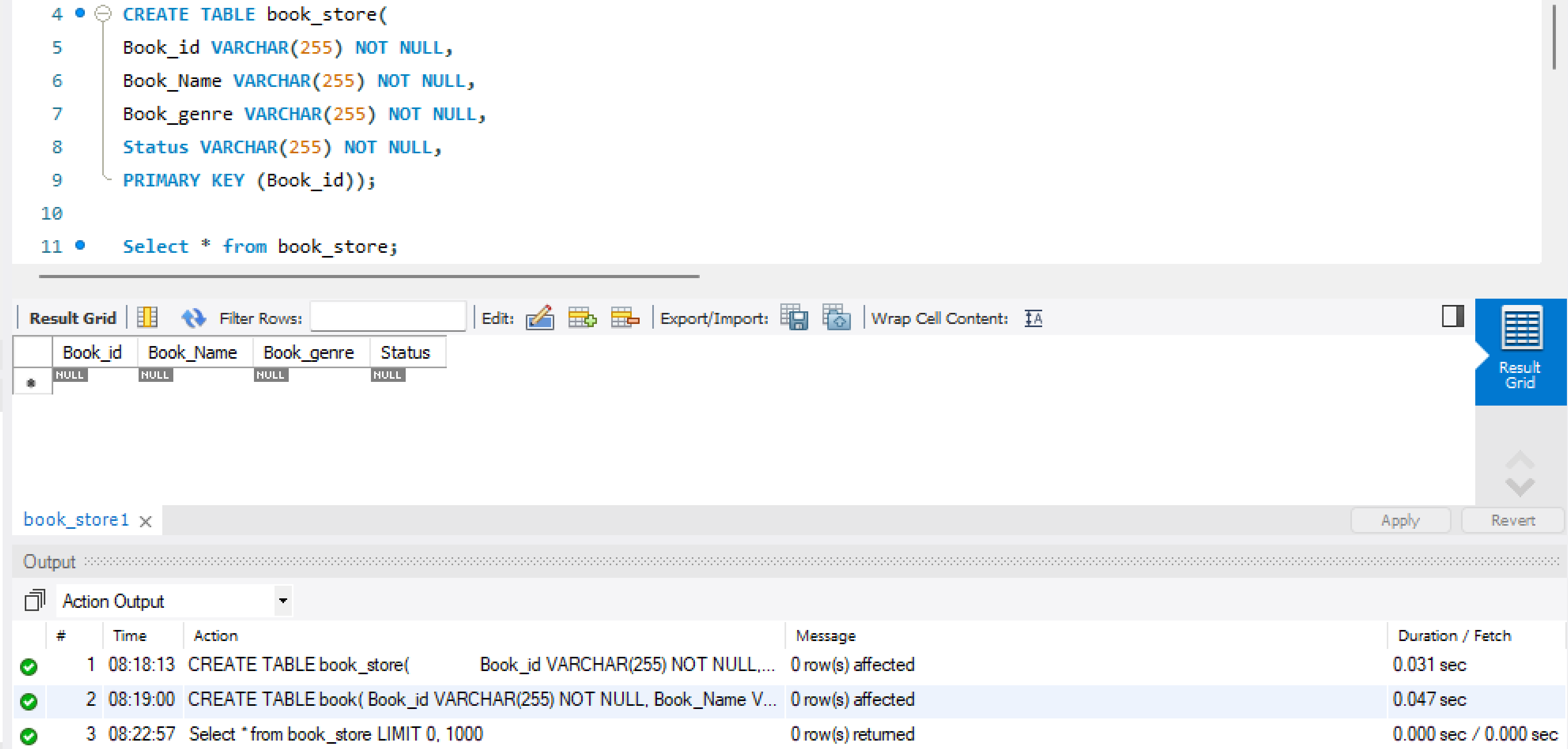
# **Assignment 3 (MSIS2503-40134,40153,40170)**

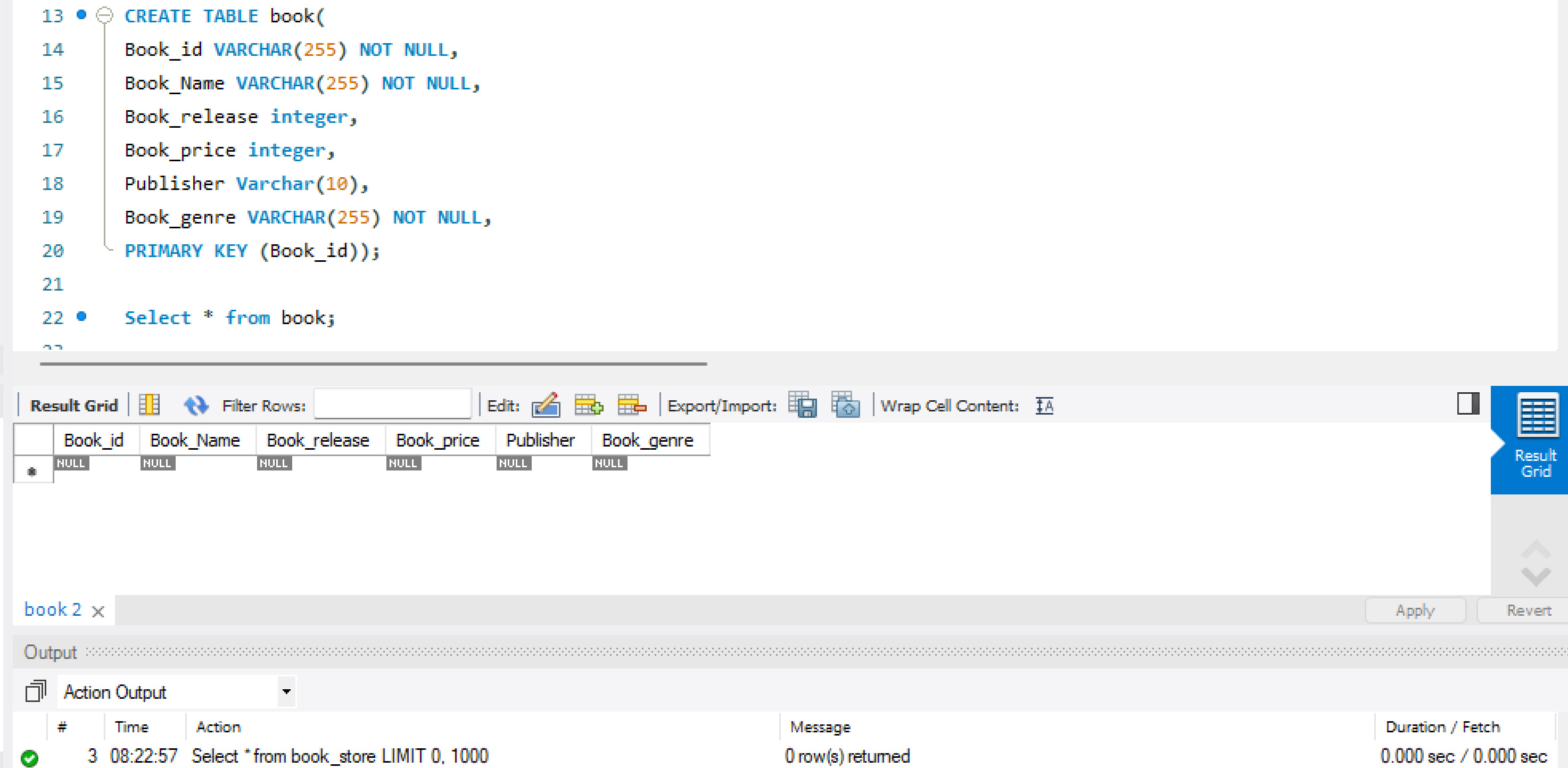
Q1) **Create a table book\_store with columns Book\_id VARCHAR(255) NOT NULL, Book\_Name VARCHAR(255) NOT NULL, Book\_genre VARCHAR(255) NOT NULL, Status VARCHAR(255) NOT NULL, PRIMARY KEY (Book\_id).**

* **Screenshot of MYSQL query and results as shown below:**



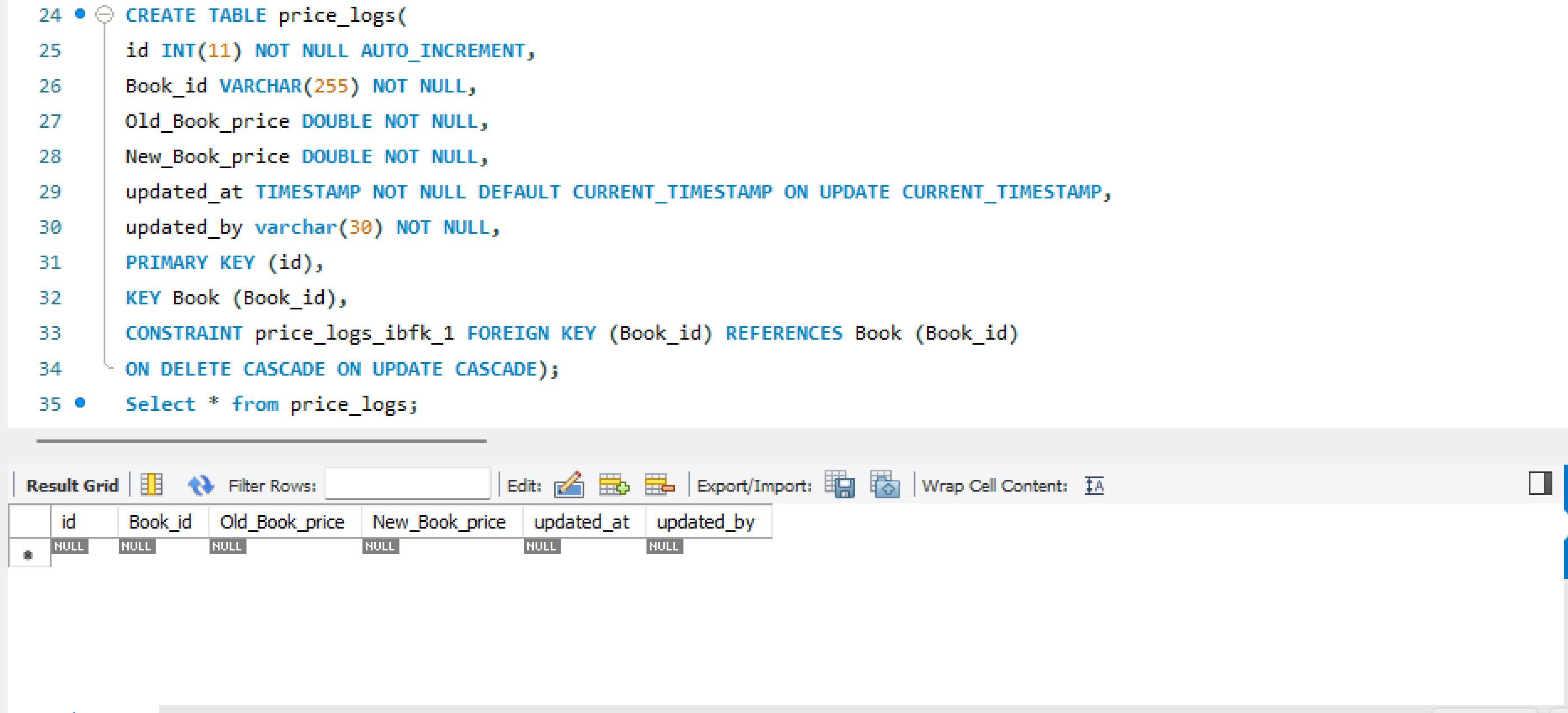
Q2) **Create a table book with columns Book\_id VARCHAR(255) NOT NULL, Book\_Name VARCHAR(255) NOT NULL, Book\_release integer, Book\_price integer , Publisher Varchar(10), Book\_genre VARCHAR(255) NOT NULL, PRIMARY KEY (Book\_id)**

* **Screenshot of MYSQL query & results as shown below:**



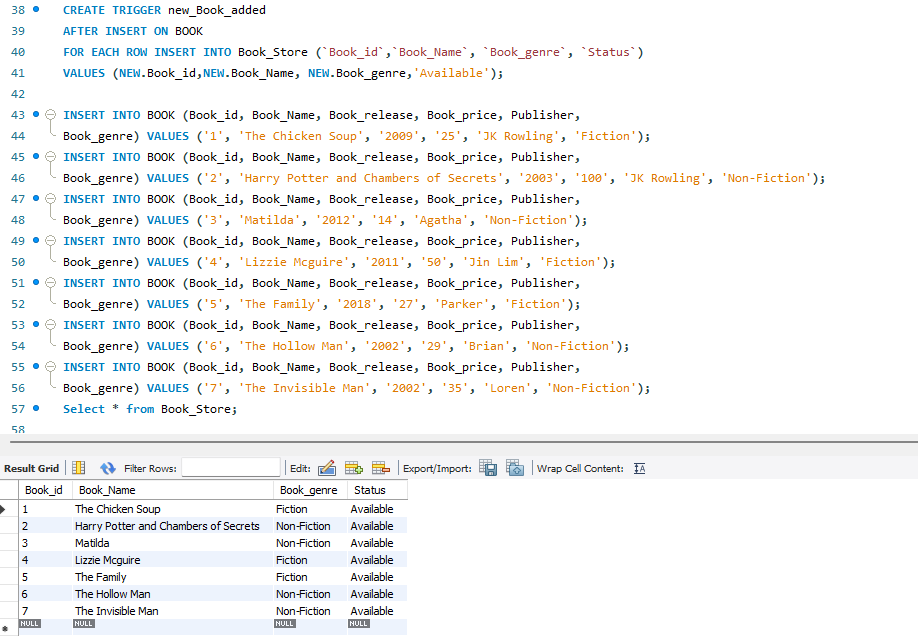
Q3) **Create a table price\_logs with columns: id INT(11) NOT NULL AUTO\_INCREMENT, Book\_id VARCHAR(255) NOT NULL, Old\_Book\_price DOUBLE NOT NULL, New\_Book\_price DOUBLE NOT NULL, updated\_at TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP, updated\_by varchar(30) NOT NULL, PRIMARY KEY (id), KEY Book (Book\_id), CONSTRAINT price\_logs\_ibfk\_1 FOREIGN KEY (Book\_id) REFERENCES Book (Book\_id) ON DELETE CASCADE ON UPDATE CASCADE**

* **Screenshot of MYSQL query & Results as shown below:**



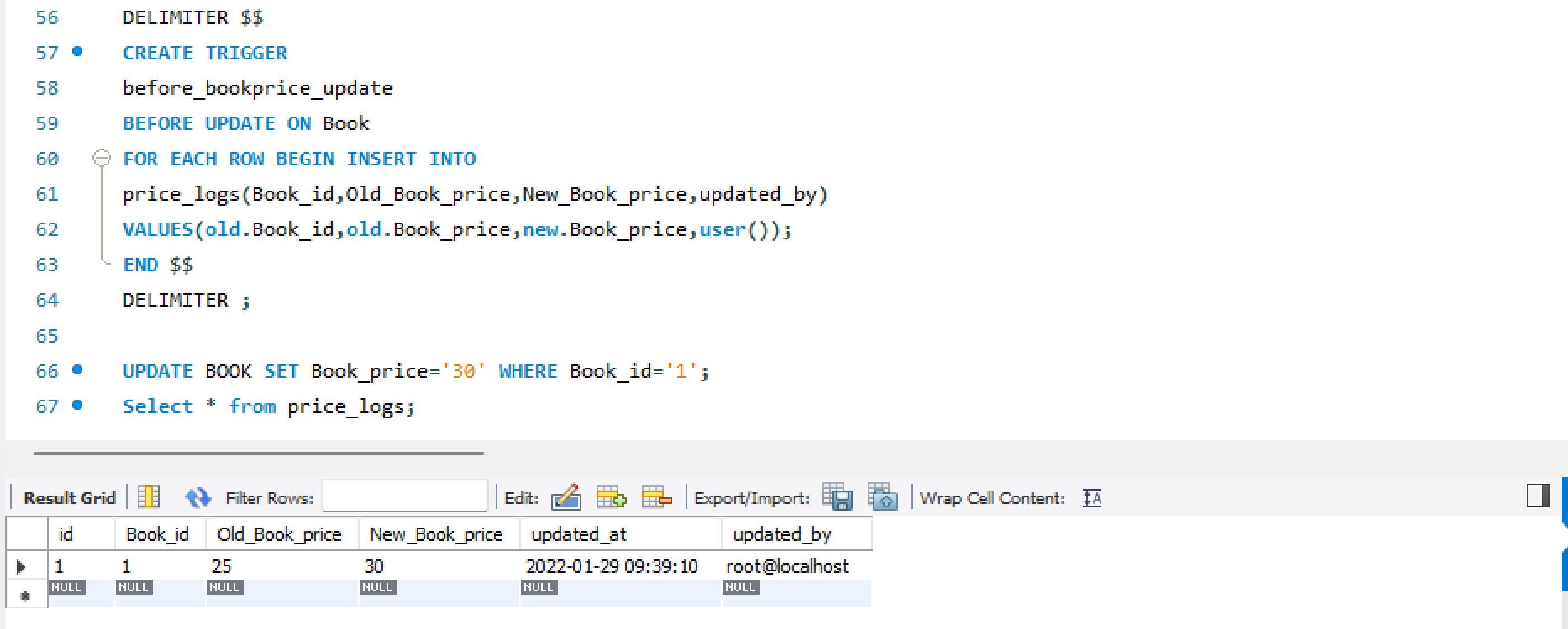
Q4) **Insert Trigger : Create a trigger to insert 7 rows in book\_store table every time a new book is inserted in book table.**

* **Screenshot of MYSQL query & results as shown below:**



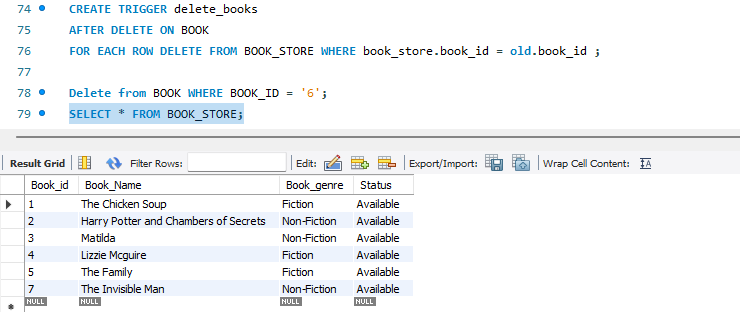
Q5) **Update Trigger: Create a trigger to record/insert the price in price\_logs table before updating the book table. Also record the user who updated the price.**

* **Screenshot of MYSQL query & results as shown below:**



**Q6) Delete Trigger: Create a trigger to delete record from Book\_store when a book is deleted.**

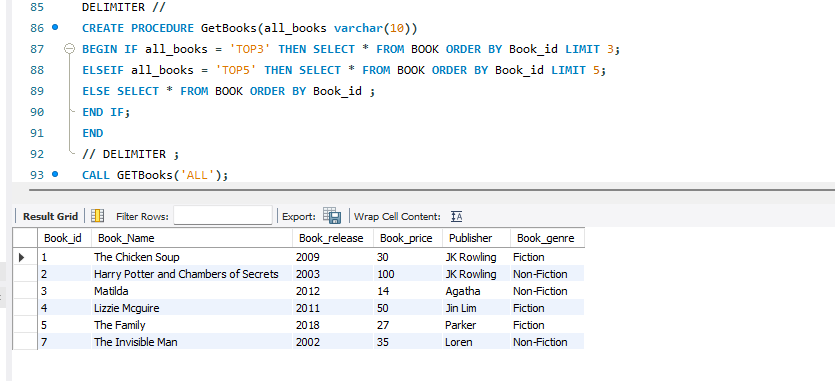
* **Screenshot of MYSQL query & results as shown below:**



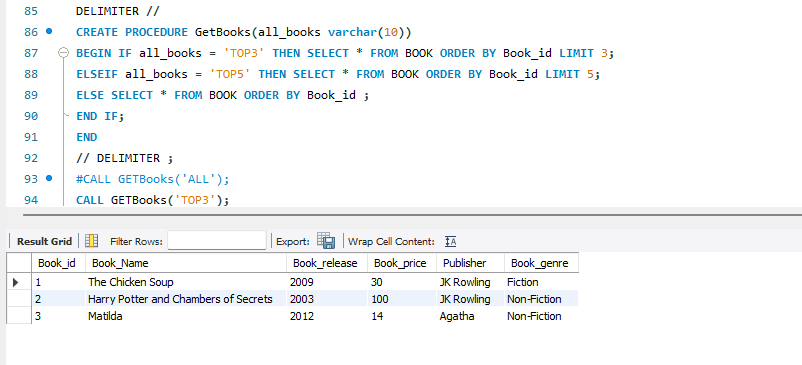
**Q7) Stored Procedure: a. Clarification – We want top3, top5 and all books ranked by their book\_id.**

**i. Use book table. Return only top 3 when parameter TOP3 is passed, top 5 when TOP5 is passed else print entire book table.**

* **Screenshot of MYSQL query & results as shown below: CALL GETBOOKS(‘ALL’)**



* **Screenshot of MYSQL query & results as shown below: CALL GETBOOKS(‘TOP3’)**



* **Screenshot of MYSQL query & results as shown below: CALL GETBOOKS(‘TOP5’)**

