**SOLUTIONS…**

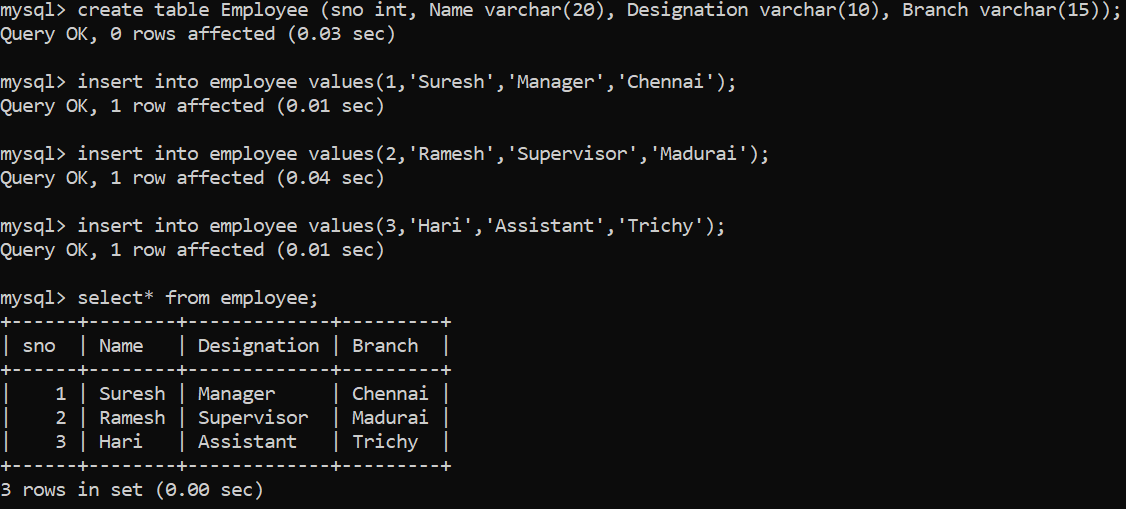
**SET 1**

1. Create Employee table for the following details

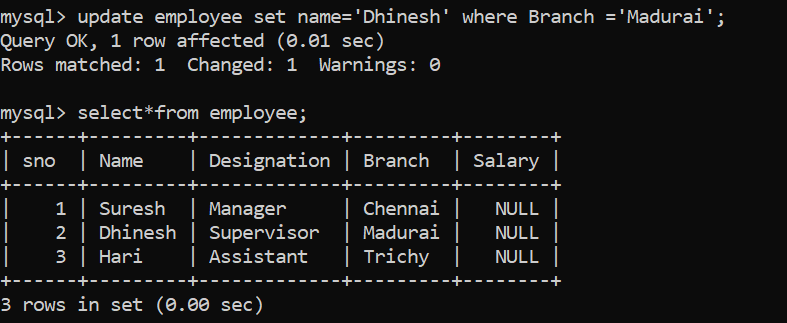
|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Name | Designation | Branch |
| 1 | Suresh | Manager | Chennai |
| 2 | Ramesh | Supervisor | Madurai |
| 3 | Hari | Assistant | Trichy |

Perform the following:

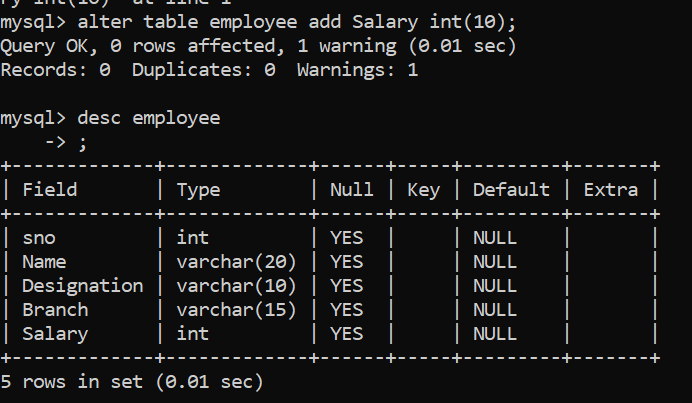
* Alter the table by adding a column **Salary**



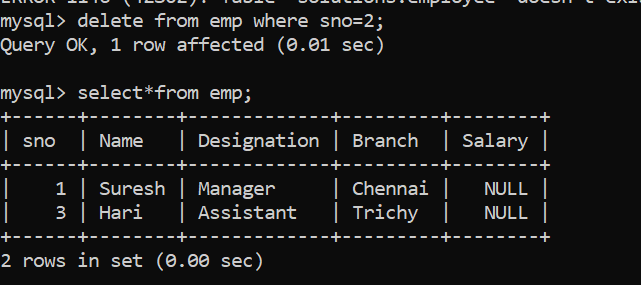
* Alter the table by modifying the column **Name**



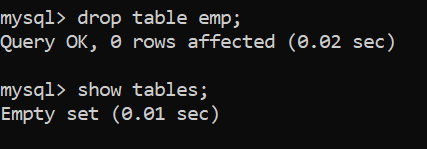
* Describe the table **employee and** Rename table **employee** as **emp**



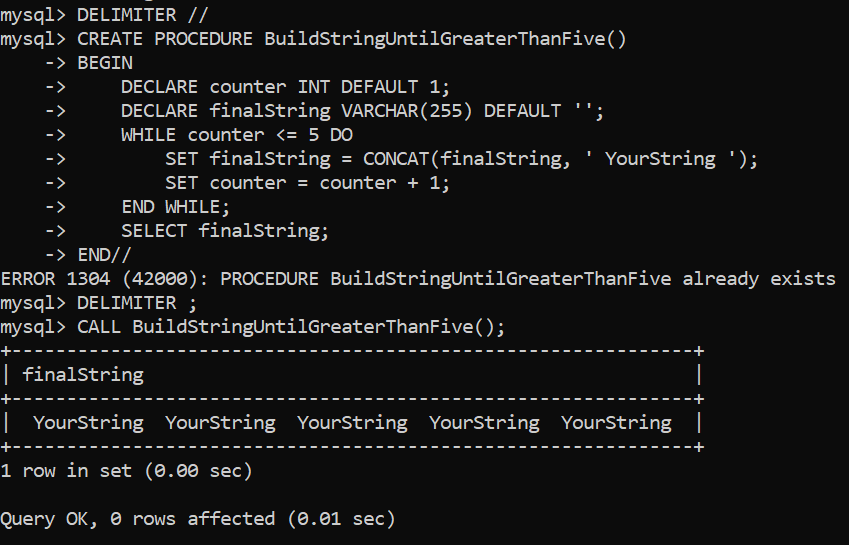
* Delete the Second row from the table



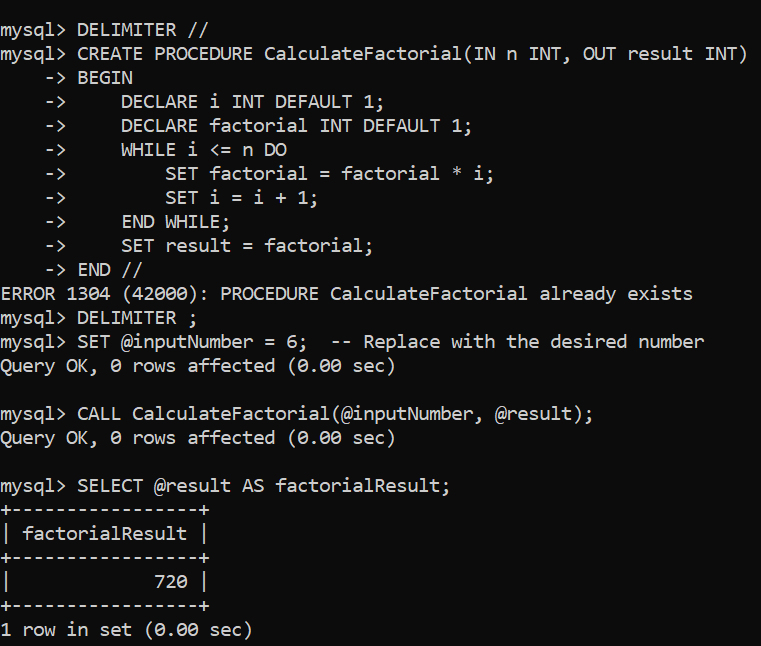
* Drop the table



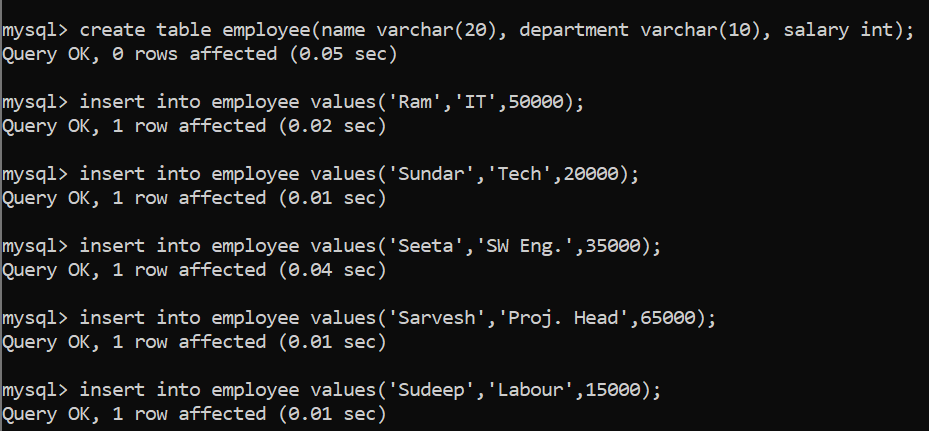
1. Write a function to build a string repeatedly until the value of the variable becomes greater than 5. Then, we display the final string using a SELECT statement

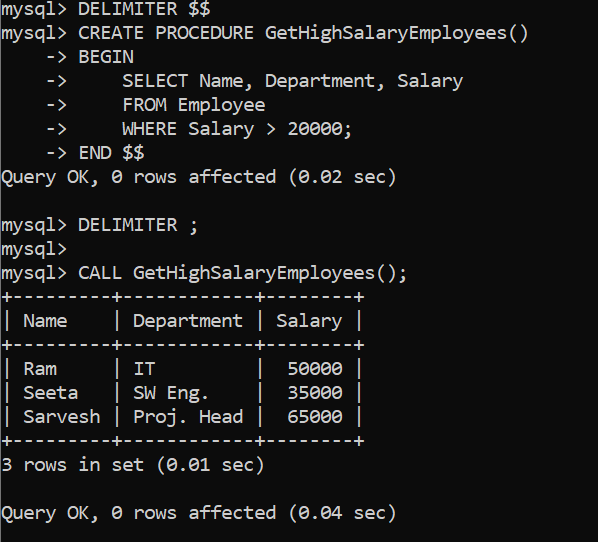


1. Create a recursive MySQL computing the factorial of a given number using high level programing Extension with **Functions.**



1. Create a simple **procedure** to get all the records from the table ‘Employee’ and List out the name, department, salary where salary > 20000 in the Table.





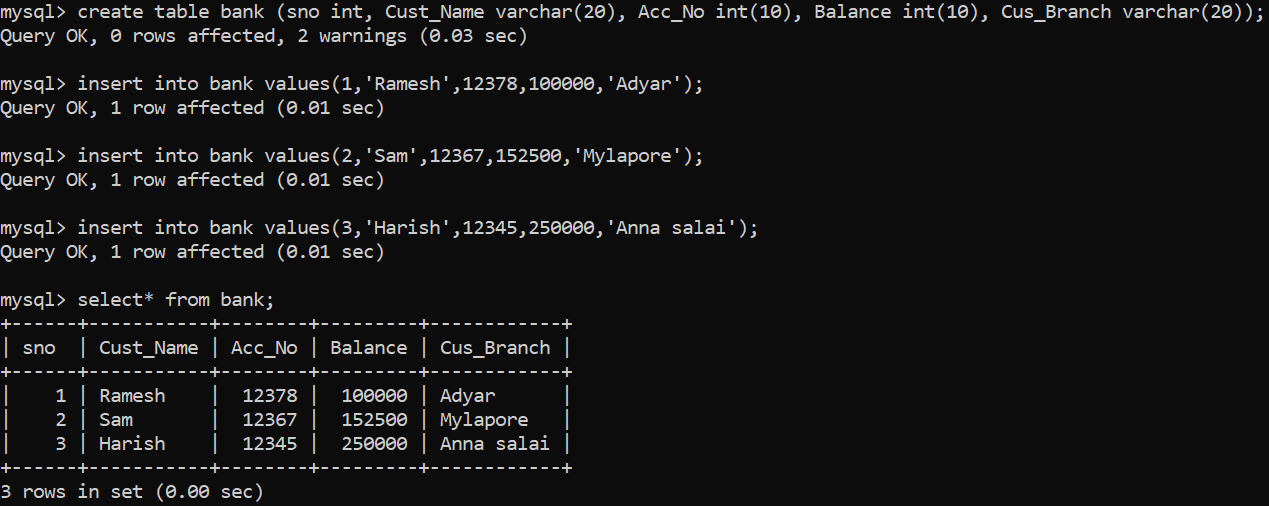
**SET 2**

1. Create a Table as **bank** and the details are

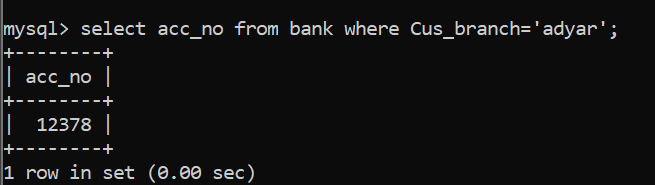
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Cust\_Name | Acc\_no | Balance | Cus\_Branch |
| 1 | Ramesh | 12378 | 100000 | Adyar |
| 2 | Sam | 12367 | 152500 | Mylapore |
| 3 | Harish | 12345 | 250000 | Anna Salai |

Perform the following:

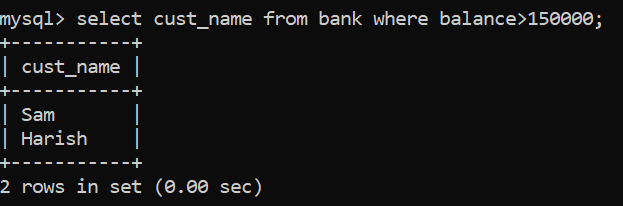
* Simple Select



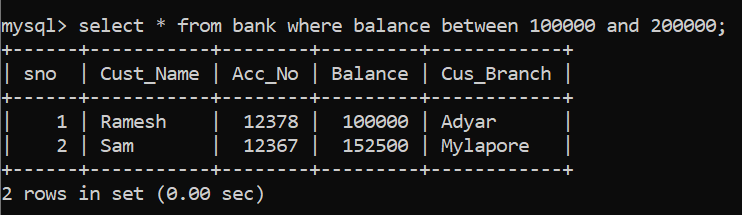
* Select with **where** clause



* Select with **comparison operator >**

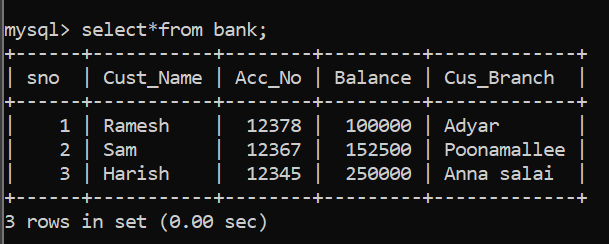


* Select with**between** in the field **Balance**

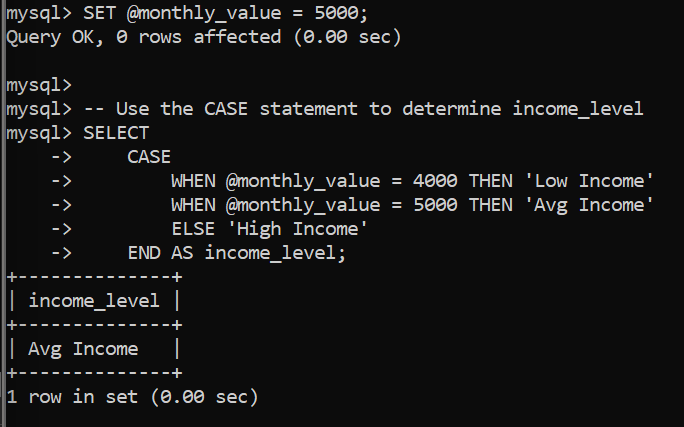


* Update the **Cus\_Branch** in the second row as **Poonamallee**

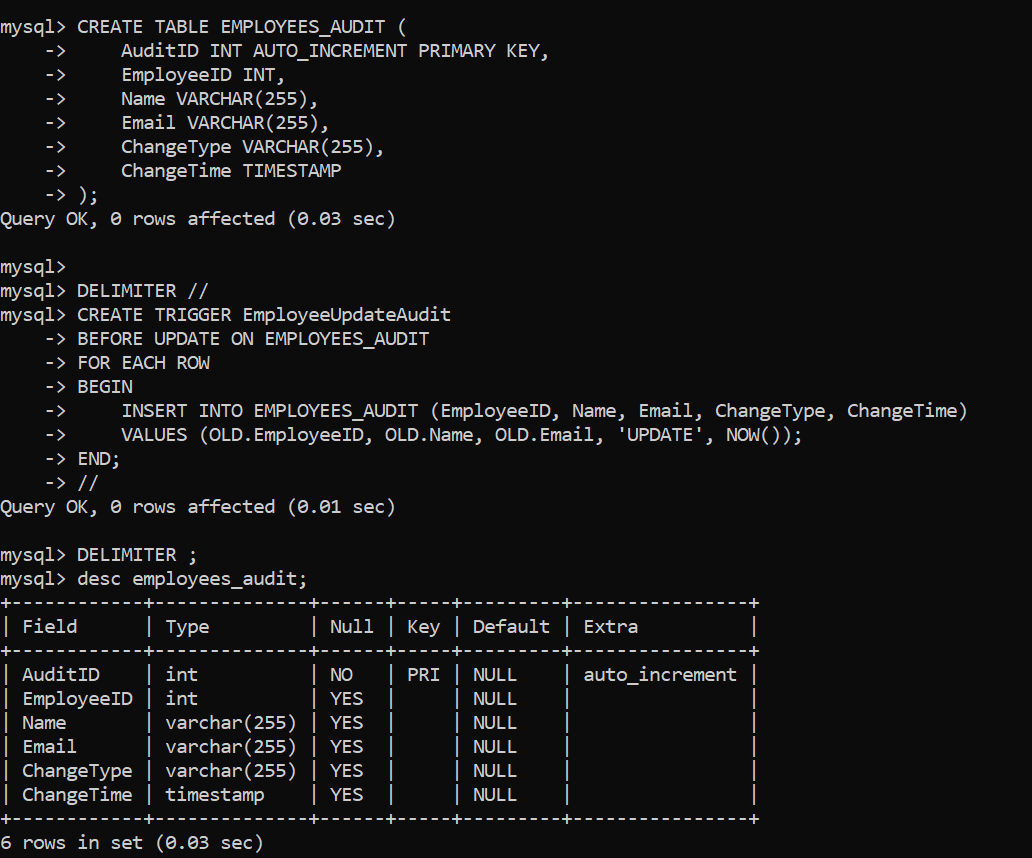
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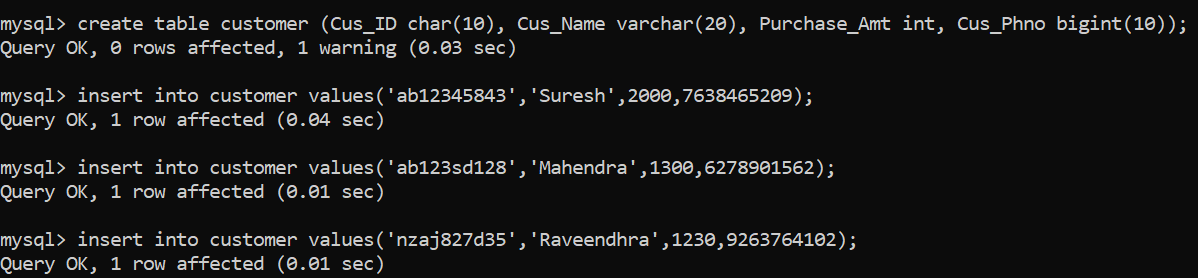
1. Write a program that uses CASE statement where if monthly\_value is equal to 4000, then income\_level will be set to 'Low Income'. If monthly\_value is equal to 5000, then income\_level will be set to 'Avg Income'. Otherwise, income\_levelwill be set to 'High Income'.

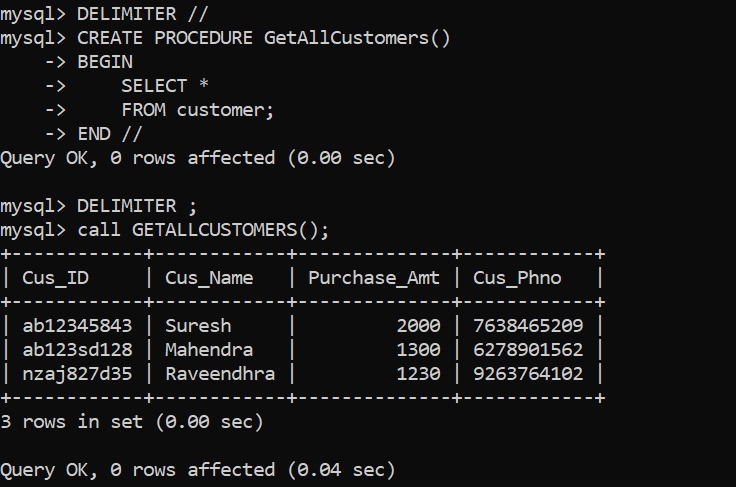


1. Create a trigger in MySQL to log the changes of the EMPLOYEES table with fields ID, Name and Email. Also create a new table named EMPLOYEES\_AUDIT to keep the changes of the employee table. Create a BEFORE UPDATE trigger that is invoked before a change is made to the employees table.



1. Write a procedure to display all the records form customer table.





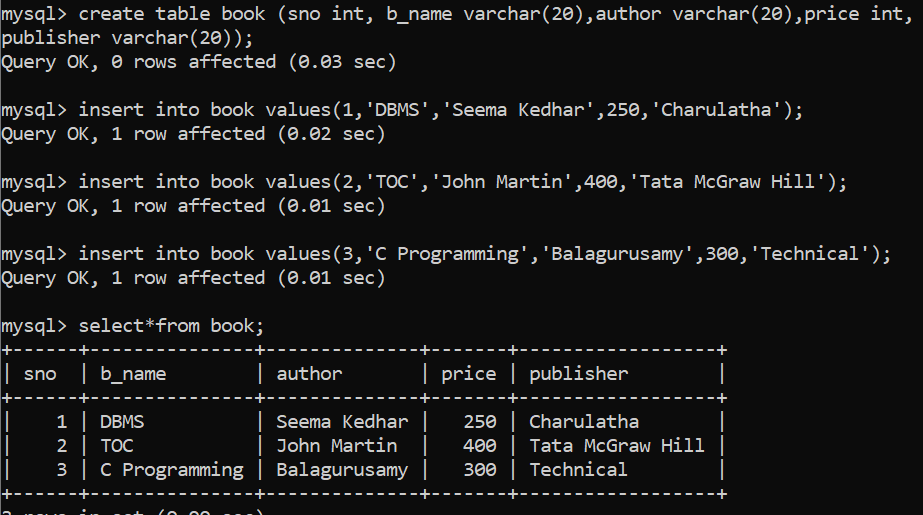
**SET 3**

1. Create a Table as **book** and the details are

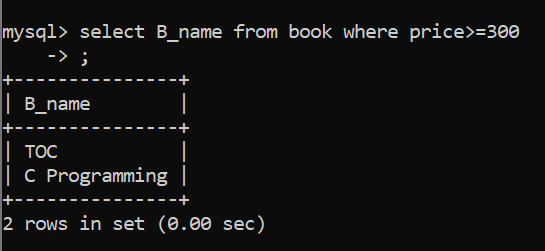
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | B\_Name | Author | Price | Publisher |
| 1 | DBMS | Seema Kedhar | 250 | Charulatha |
| 2 | TOC | John Martin | 400 | Tata McGraw Hill |
| 3 | C | Balagurusamy | 300 | Technical |

Perform the following:

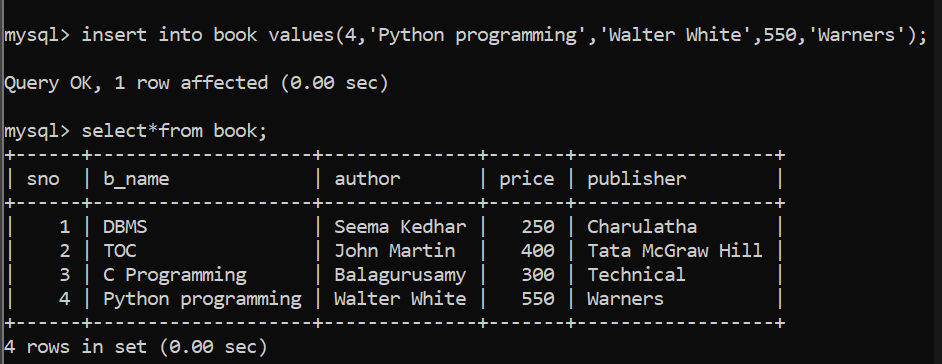
* + Use **Select** keyword and display the table



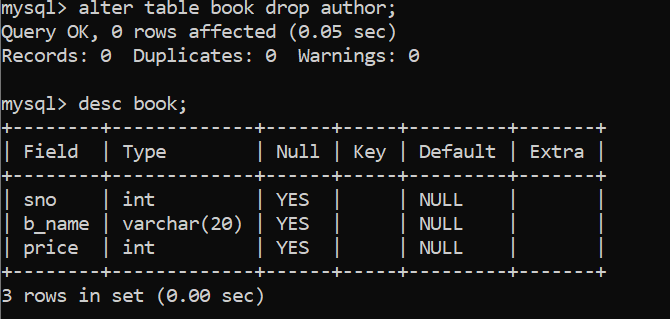
* + Display the book which is => 300



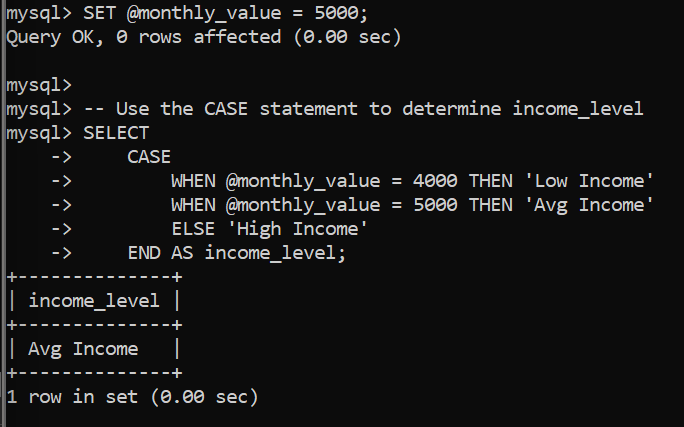
* + **Insert a** rowand add new book to the book table



* + Drop **Author** column

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1. Write a function that uses REPEAT statement which would repeat the loop until income is greater than or equal to 4000, at which point the REPEAT loop would be terminated.
2. Write a function that uses CASE statement where if monthly\_value is equal to or less than 4000, then income level set to ‘Low Income’. If monthly\_value is equal to or less than 5000, then income\_level will be set to 'Avg Income'. Otherwise, income\_levelwill be set to 'High Income'.



1. Write a procedure to list all the employees working more than 20 year in a company.

