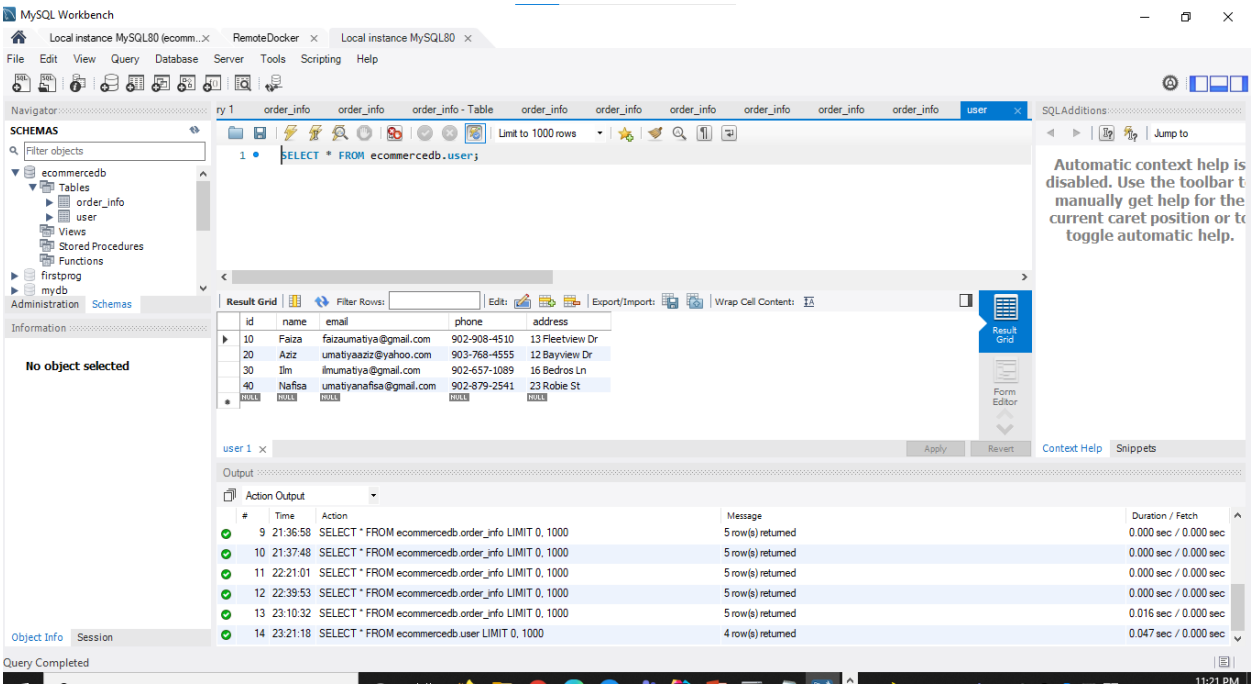
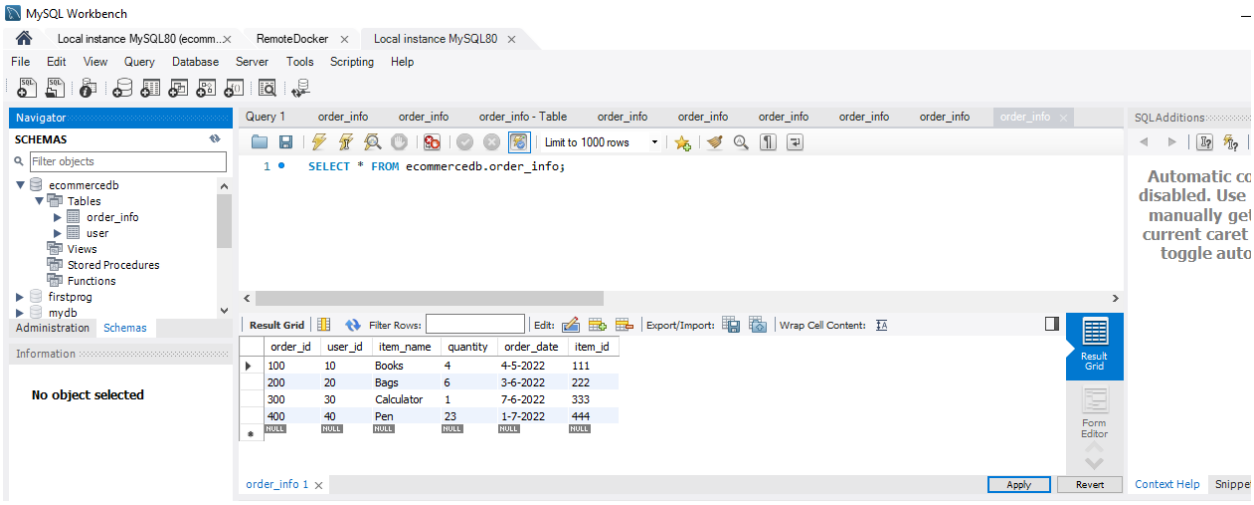
LAB TASK – REPORT:

Local instance tables:

User table:

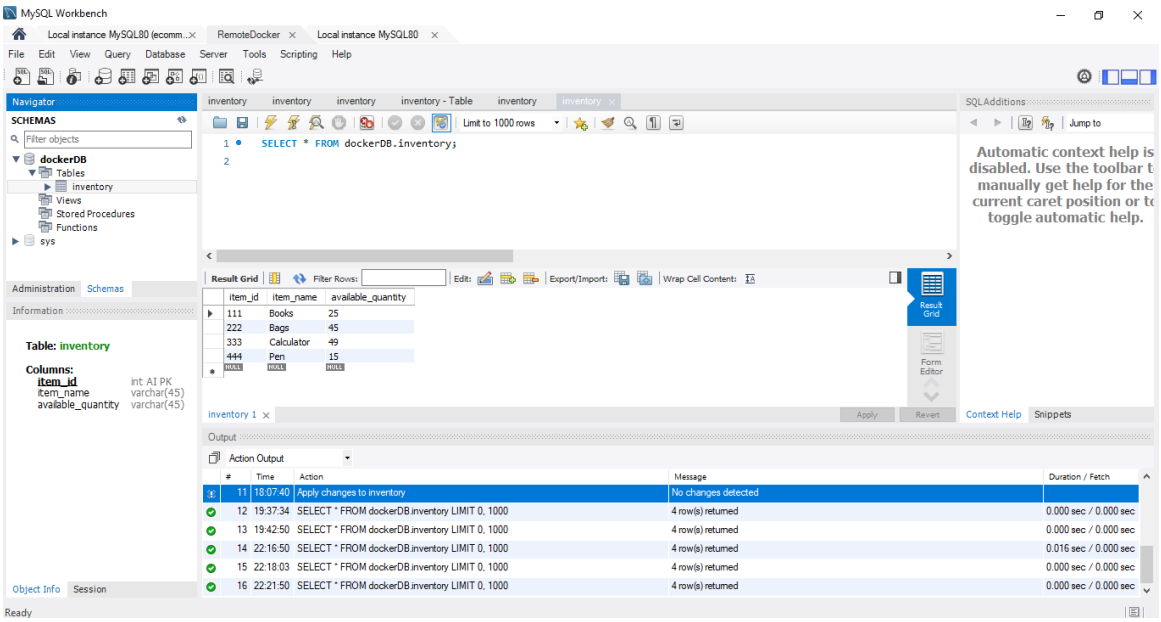


Order_info table:

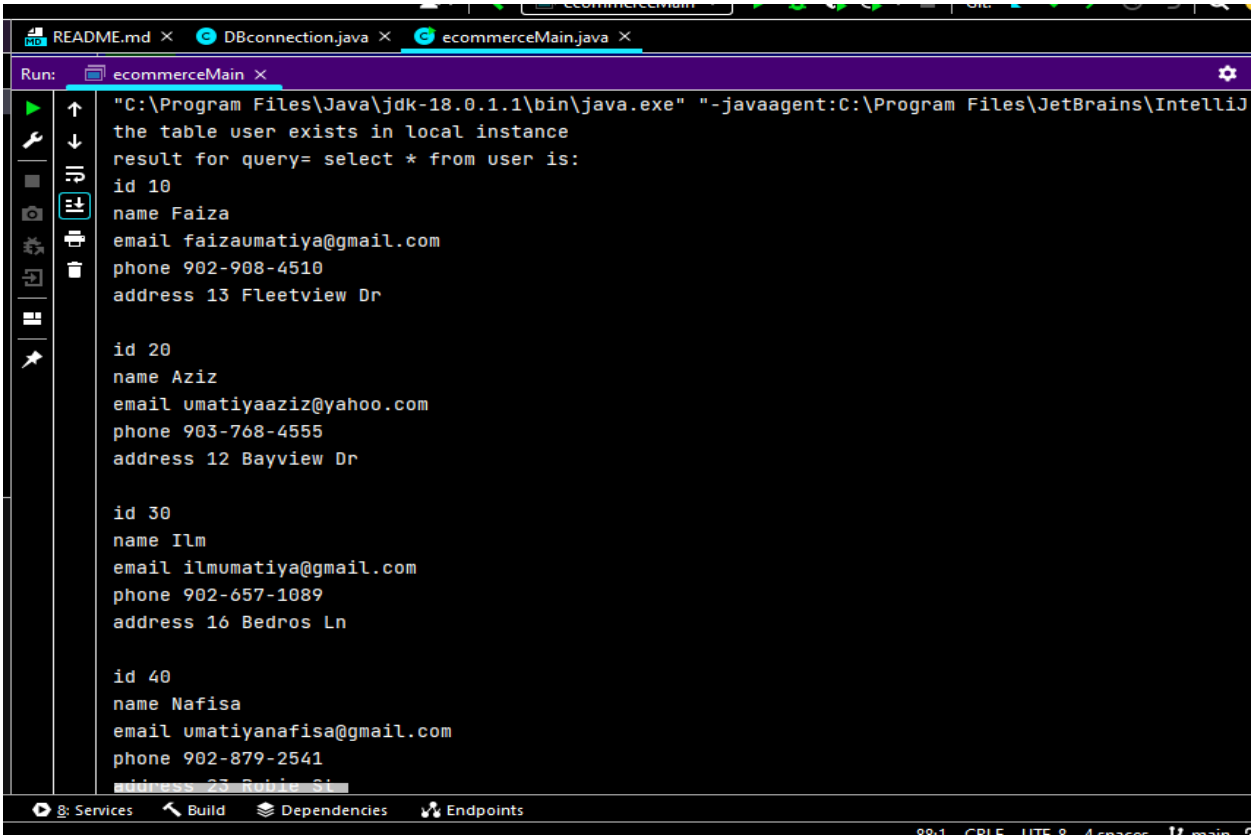


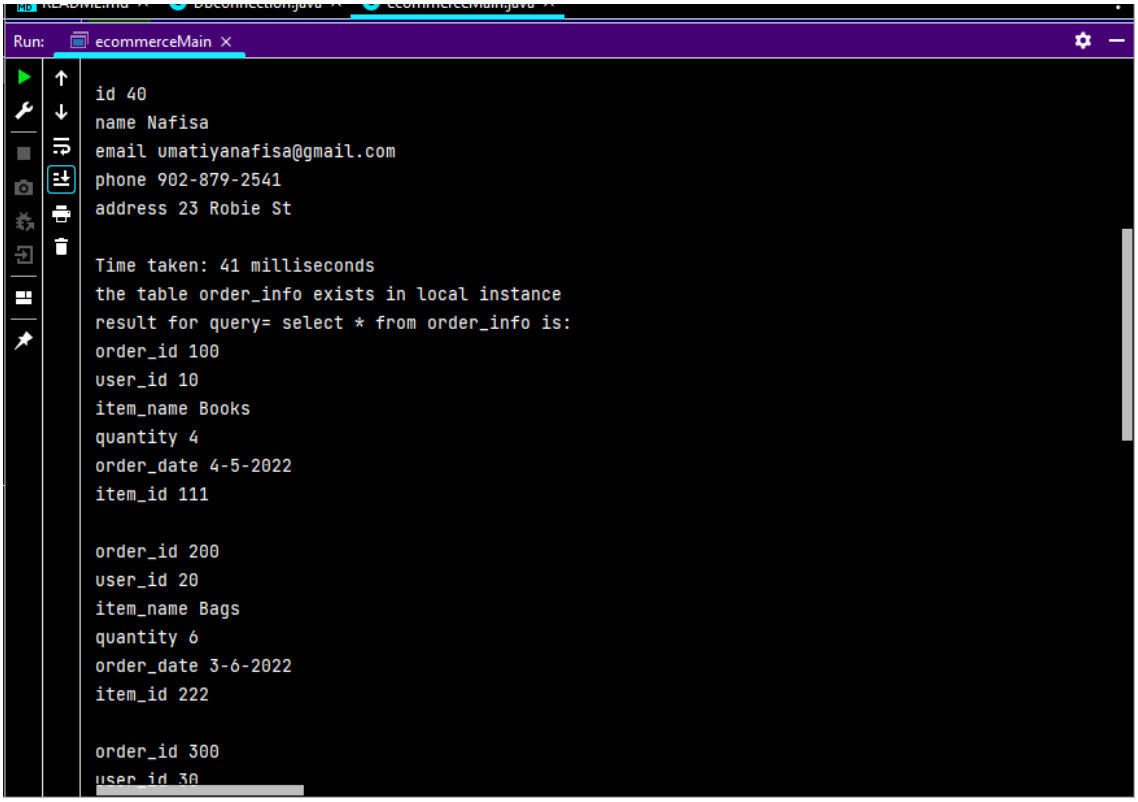
Remote Database table:

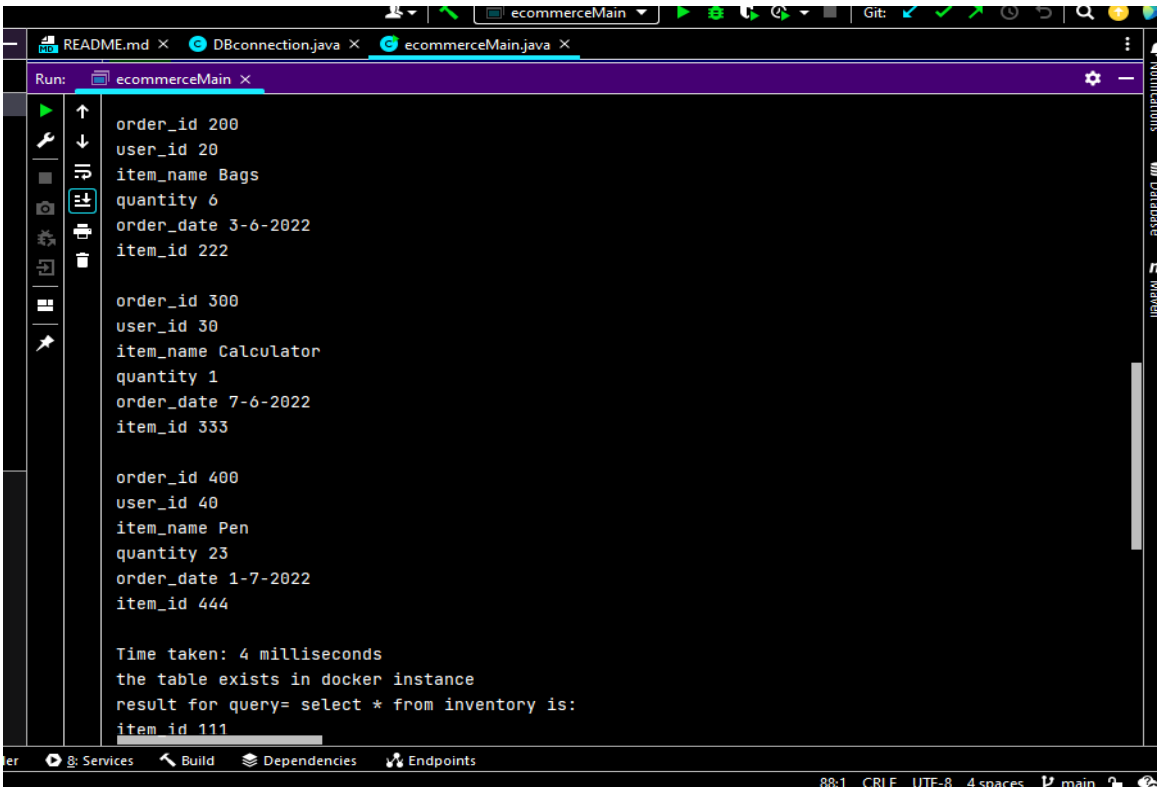
Inventory table:

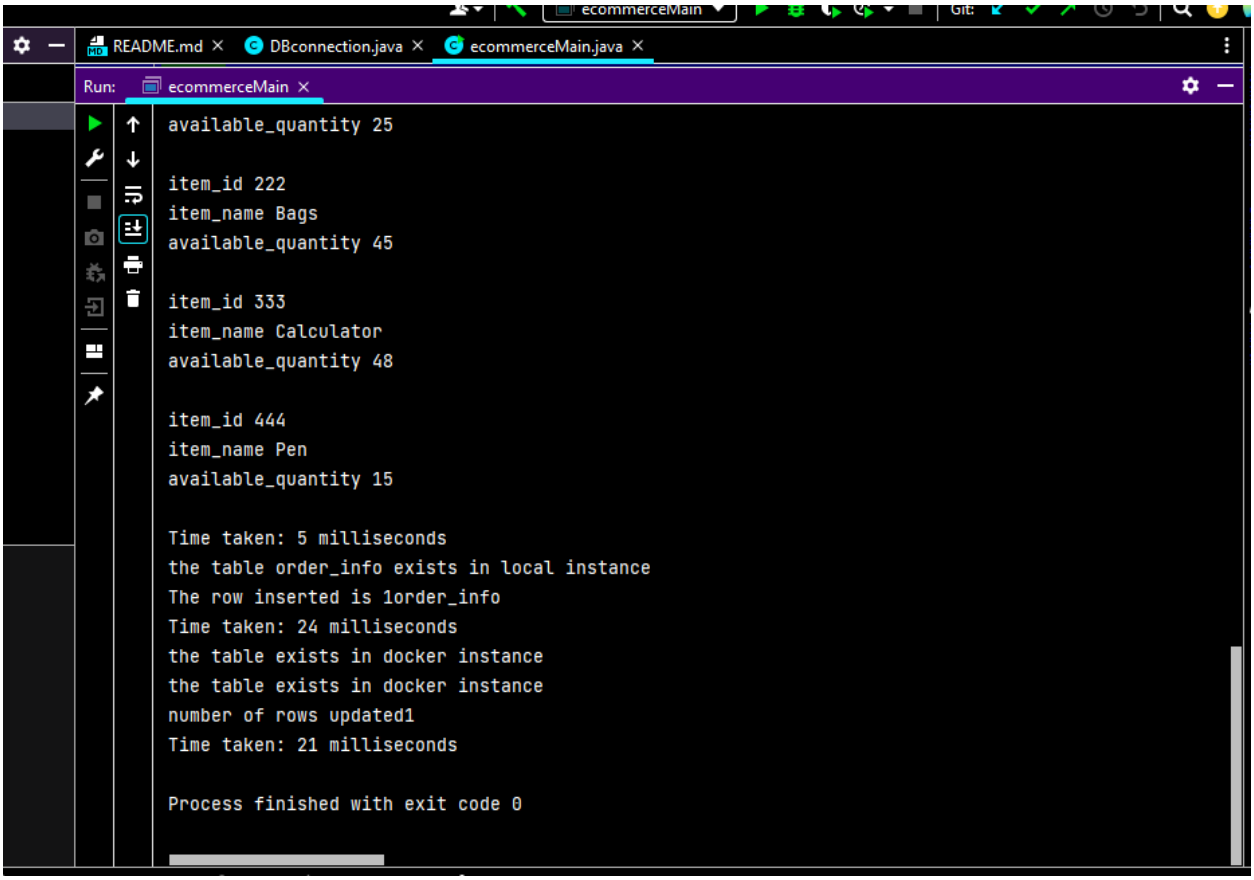


Q.1) Fetches item details from the remote database.



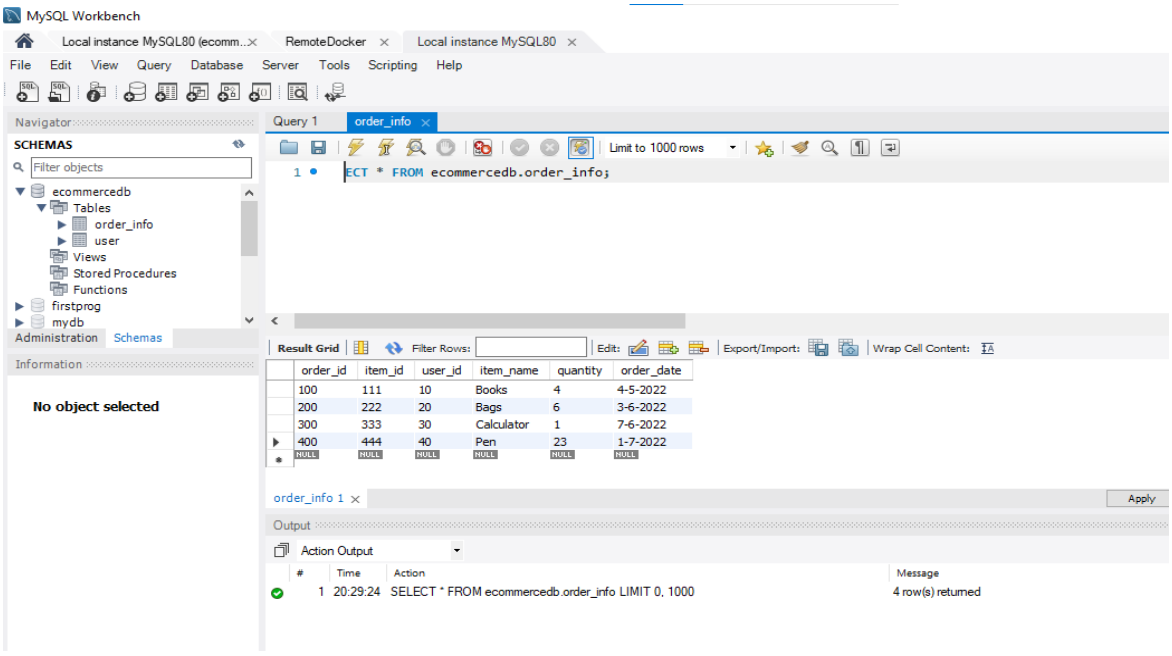

Run:
ecommerceMain
id 40
name Nafisa
email umatiyanafisa@gmail.com
phone 902-879-2541
address 23 Robie St
Time taken: 41 milliseconds
the table order_info exists in local instance
result for query= select * from order_info is:
order_id 100
user_id 10
item_name Books
quantity 4
order_date 4-5-2022
item_id 111
order_id 200
user_id 20
item_name Bags
quantity 6
order_date 3-6-2022
item_id 222
order_id 300


ecommerceMain
Git:
README.md
DBconnection.java
ecommerceMain.java
Run:
ecommerceMain
order_id 200
user_id 20
item_name Bags
quantity 6
order_date 3-6-2022
item_id 222
order_id 300
user_id 30
item_name Calculator
quantity 1
order_date 7-6-2022
item_id 333
order_id 400
user_id 40
item_name Pen
quantity 23
order_date 1-7-2022
item_id 444
Time taken: 4 milliseconds
the table exists in docker instance
result for query= select * from inventory is:
item_id 111
8: Services
Build
Dependencies
Endpoints
88:1
CRLF
UTF-8
4 spaces
main



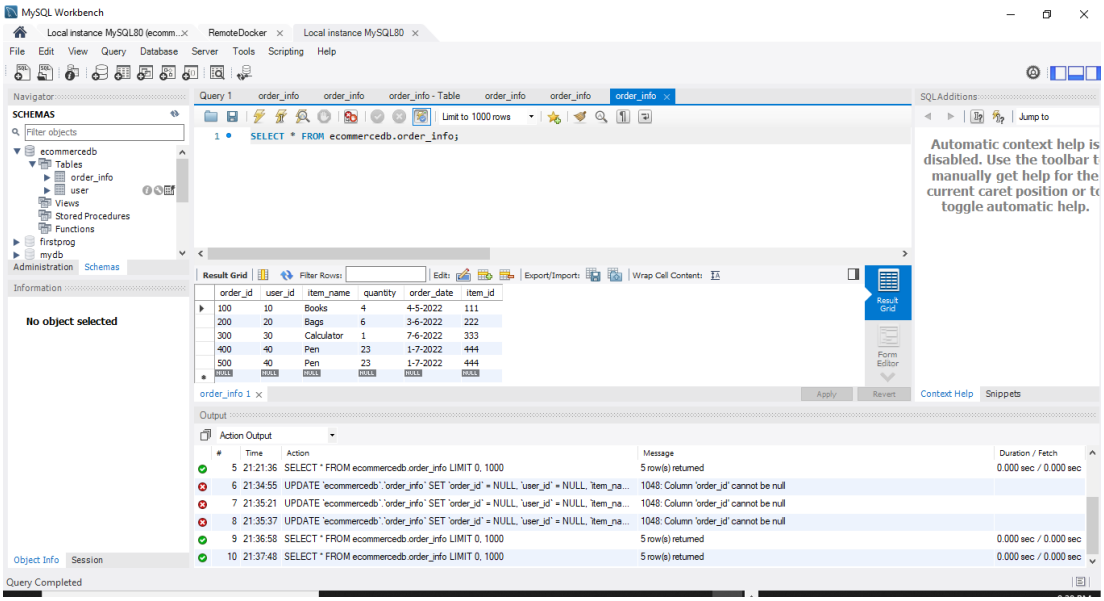
Q.2) Creates an order in local database

Before Update of the order_info table:



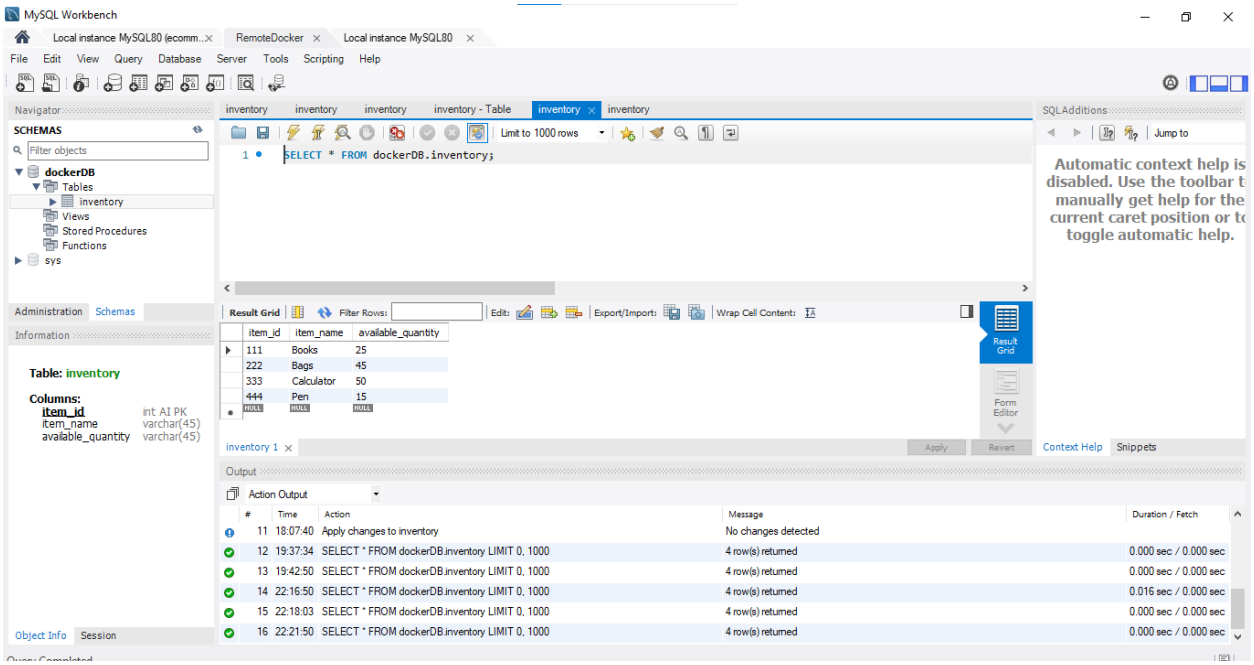
After update of order_info table:

1 row added.

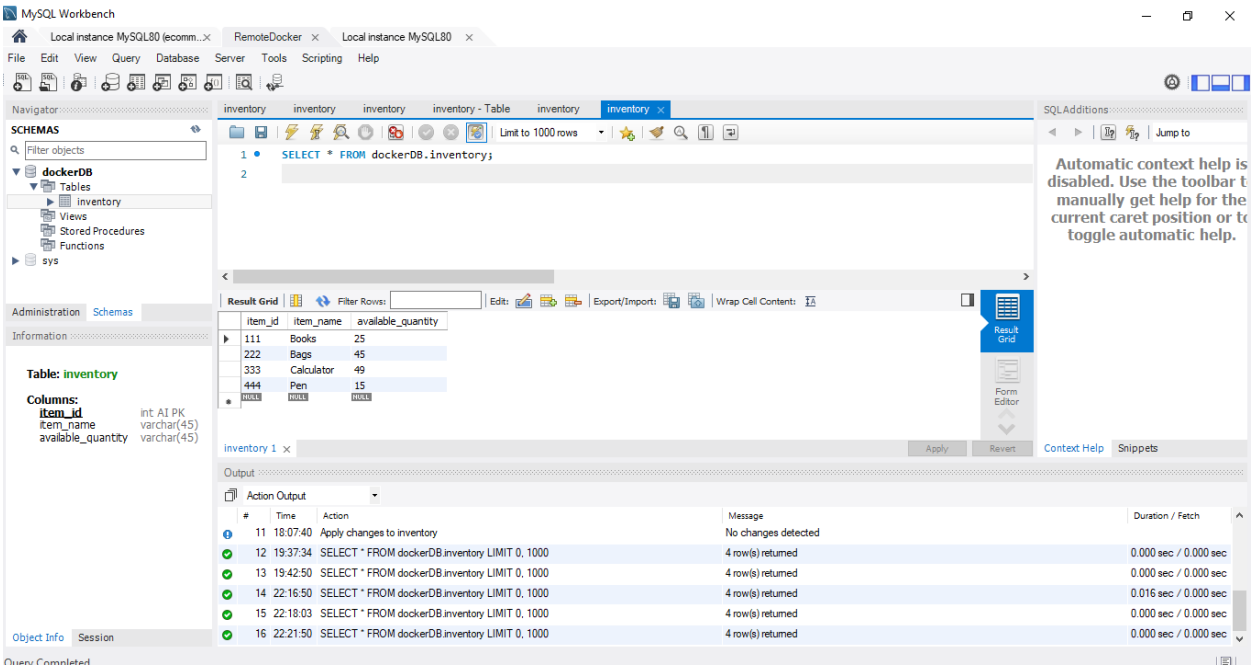


Q.3) Writes the updated quantity back to the remote database upon order creation

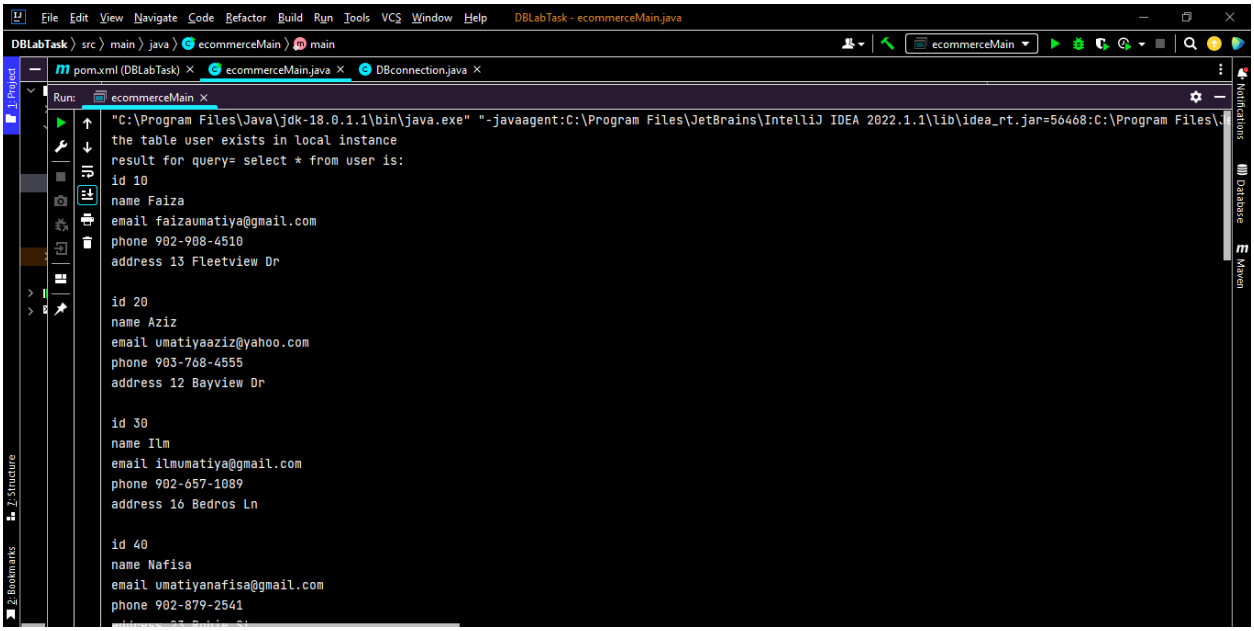
Before quantity update:

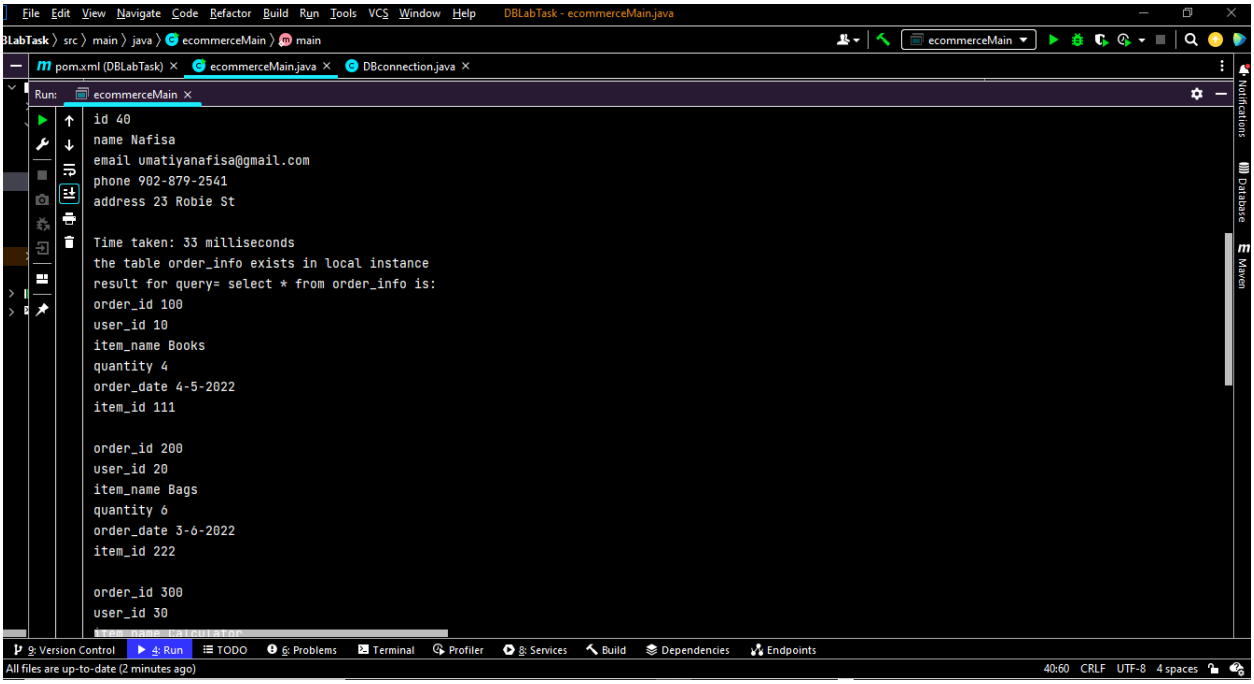


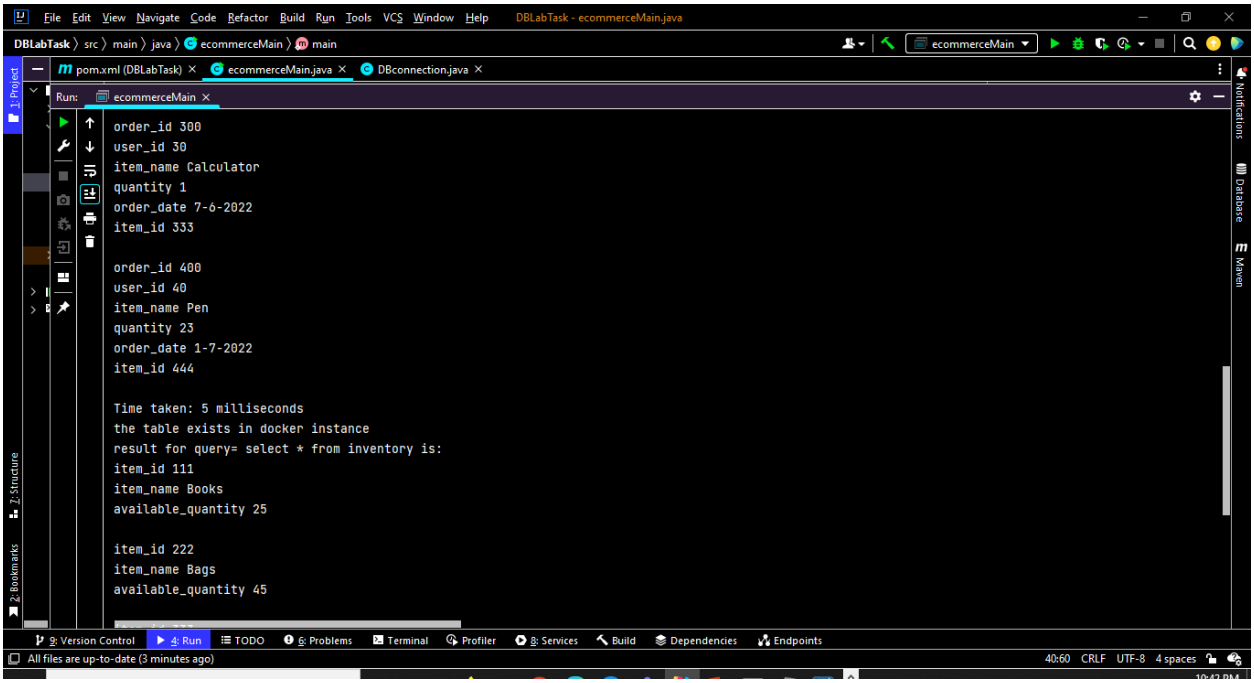
After quantity Update:

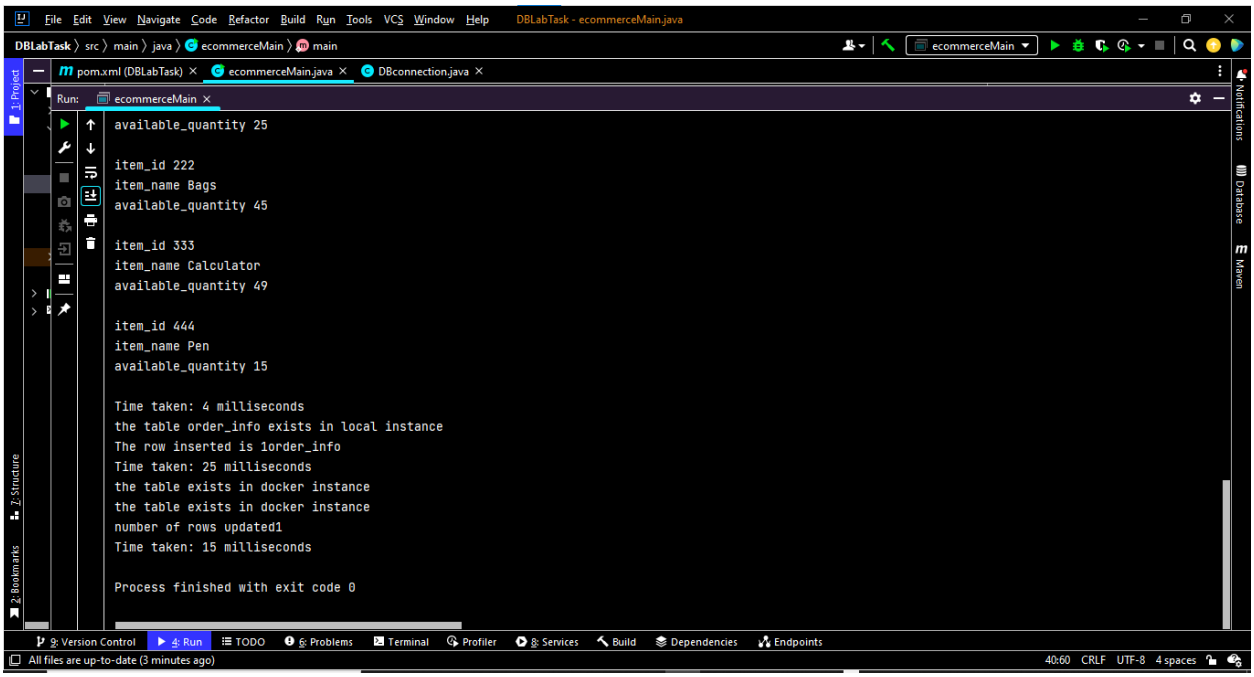


Q.4) Printing the timestamp after every Query:




File Edit View Navigate Code Refactor Build Run Tools VCS Window Help DBLabTask - ecommerceMain.java
DBLabTask 〉 src 〉 main 〉 java 〉 ecommerceMain 〉 main
ecommerceMain
pom.xml (DBLabTask)
ecommerceMain.java
DBconnection.java
Run: ecommerceMain
id 40
name Nafisa
email umatiyanafisa@gmail.com
phone 902-879-2541
address 23 Robie St
Time taken: 33 milliseconds
the table order_info exists in local instance
result for query= select * from order_info is:
order_id 100
user_id 10
item_name Books
quantity 4
order_date 4-5-2022
item_id 111
order_id 200
user_id 20
item_name Bags
quantity 6
order_date 3-6-2022
item_id 222
order_id 300
user_id 30
9: Version Control
4: Run
TODO
6: Problems
Terminal
Profiler
8: Services
Build
Dependencies
Endpoints
All files are up-to-date (2 minutes ago)
40:60 CRLF UTF-8 4 spaces


File Edit View Navigate Code Refactor Build Run Tools VCS Window Help DBLabTask - ecommerceMain.java
DBLabTask 〉 src 〉 main 〉 java 〉 ecommerceMain 〉 main
ecommerceMain
pom.xml (DBLabTask)
ecommerceMain.java
DBconnection.java
Run: ecommerceMain
order_id 300
user_id 30
item_name Calculator
quantity 1
order_date 7-6-2022
item_id 333
order_id 400
user_id 40
item_name Pen
quantity 23
order_date 1-7-2022
item_id 444
Time taken: 5 milliseconds
the table exists in docker instance
result for query= select * from inventory is:
item_id 111
item_name Books
available_quantity 25
item_id 222
item_name Bags
available_quantity 45
9: Version Control
4: Run
TODO
6: Problems
Terminal
Profiler
8: Services
Build
Dependencies
Endpoints
All files are up-to-date (3 minutes ago)
40:60 CRLF UTF-8 4 spaces



Git Link:

https://git.cs.dal.ca/umatiya/csci-5408-lab.git

Reference:

1. https://stackoverflow.com/questions/4927856/how-can-i-calculate-a-time-difference-in-java
2. https://mkyong.com/jdbc/jdbc-preparestatement-example-update-a-record/
3. https://dal.brightspace.com/d2l/le/content/221749/viewContent/3040910/View