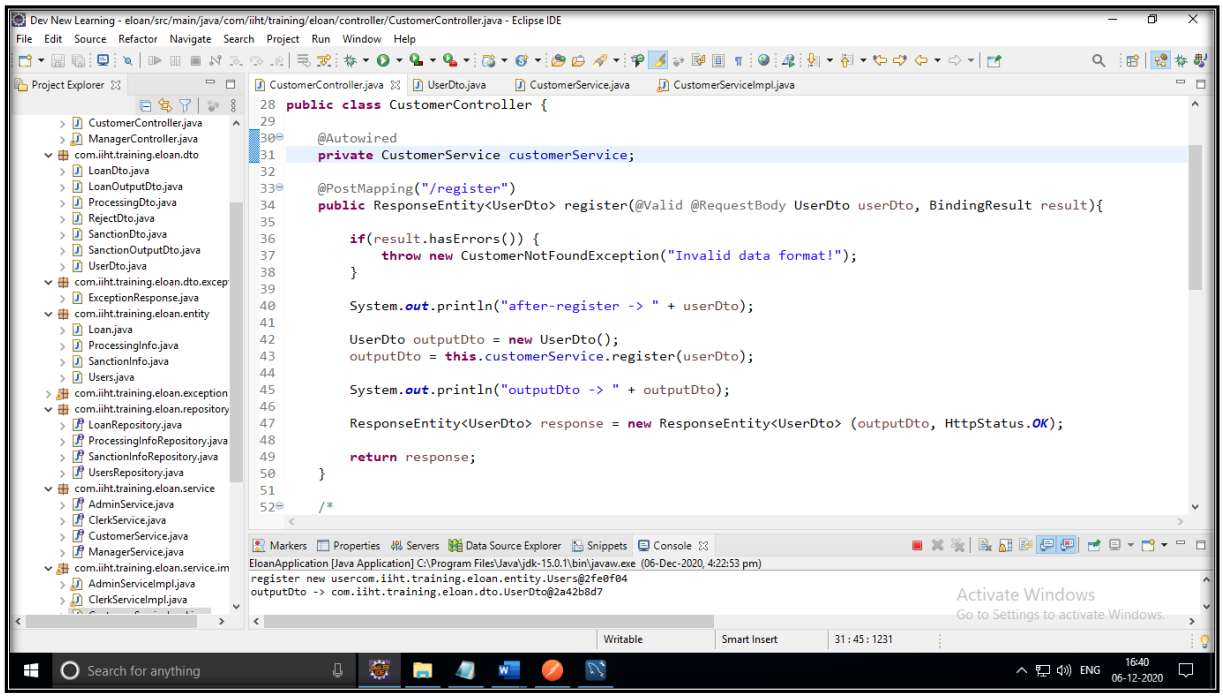
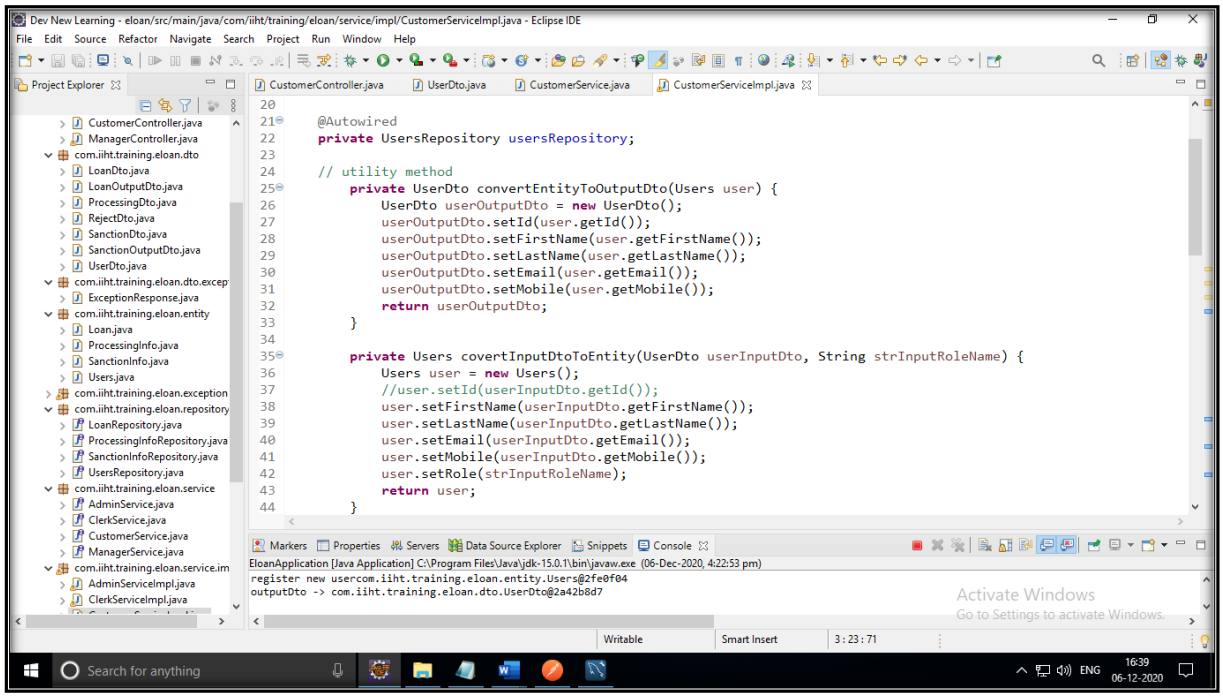
Jeevan Gajawada SBA2 Project Explanation

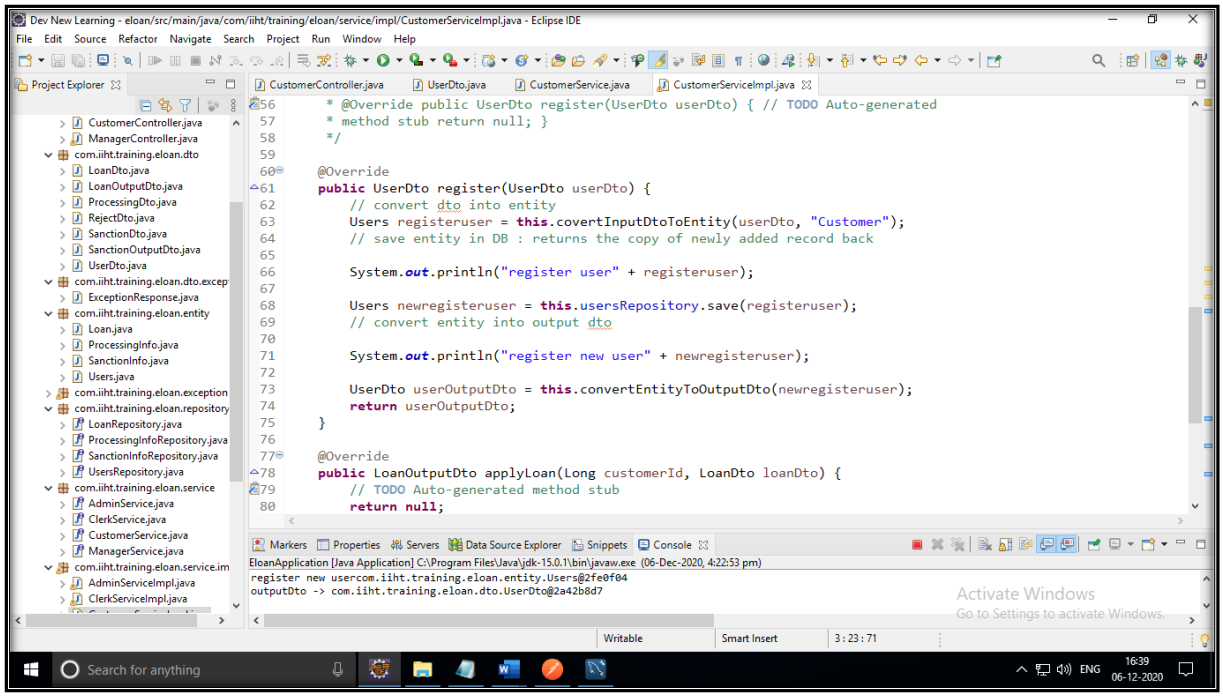
1) CustomerController:

Let's start with 'CustomerController' module it has the below 4 URL's and below is the code and output execution for the same.

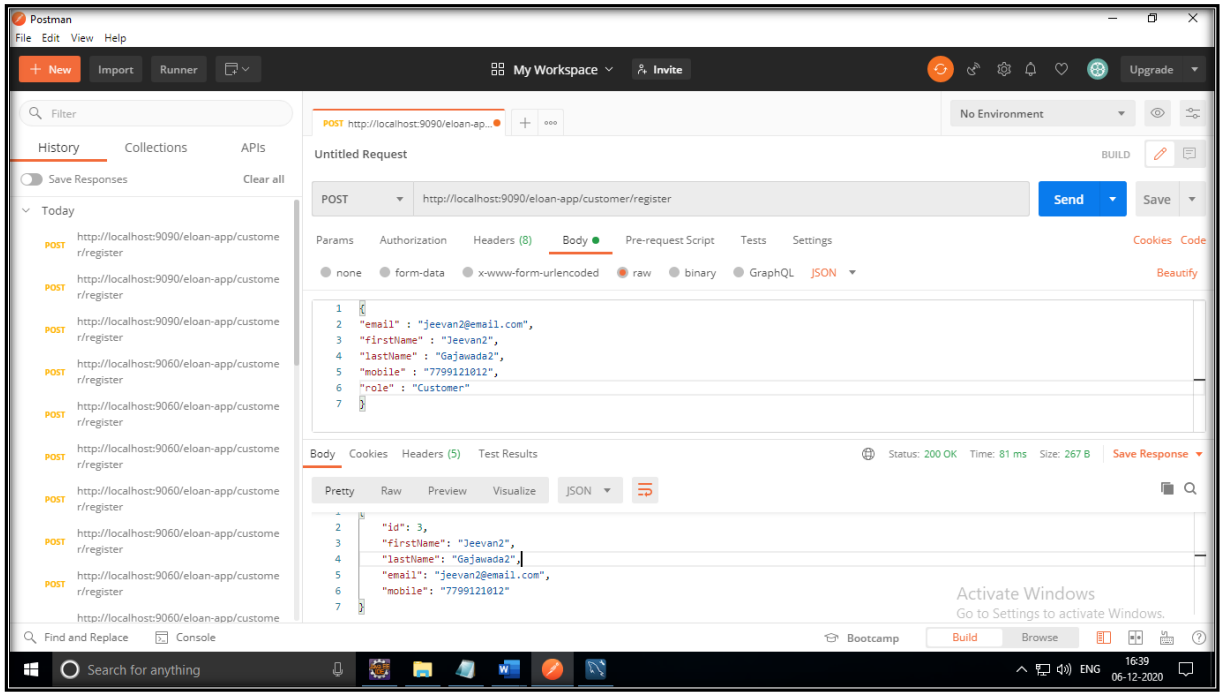
Register functionality code and output execution

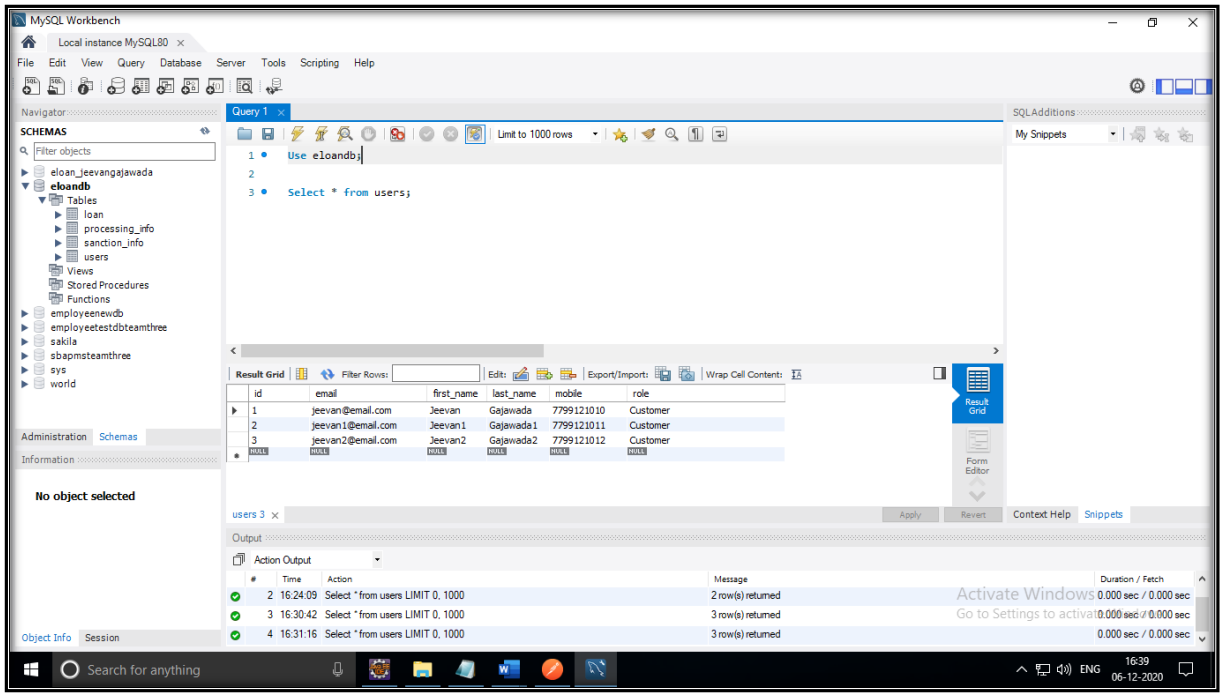




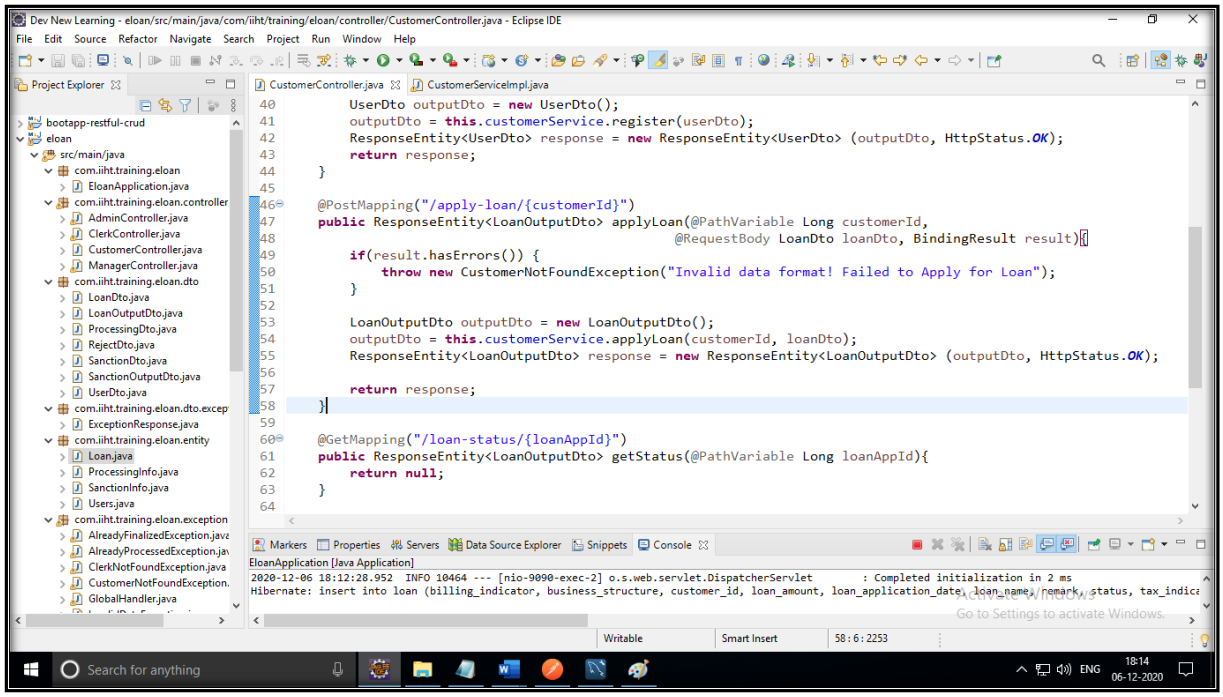


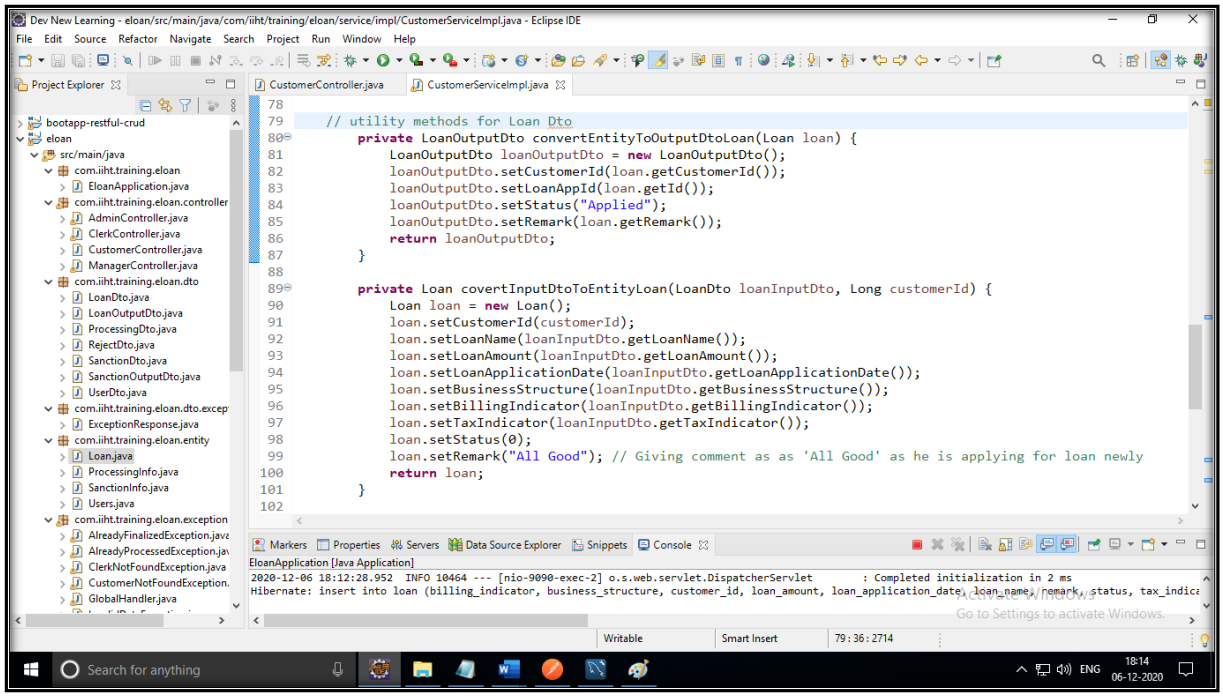
Post man execution and inserted 3 values into the DB



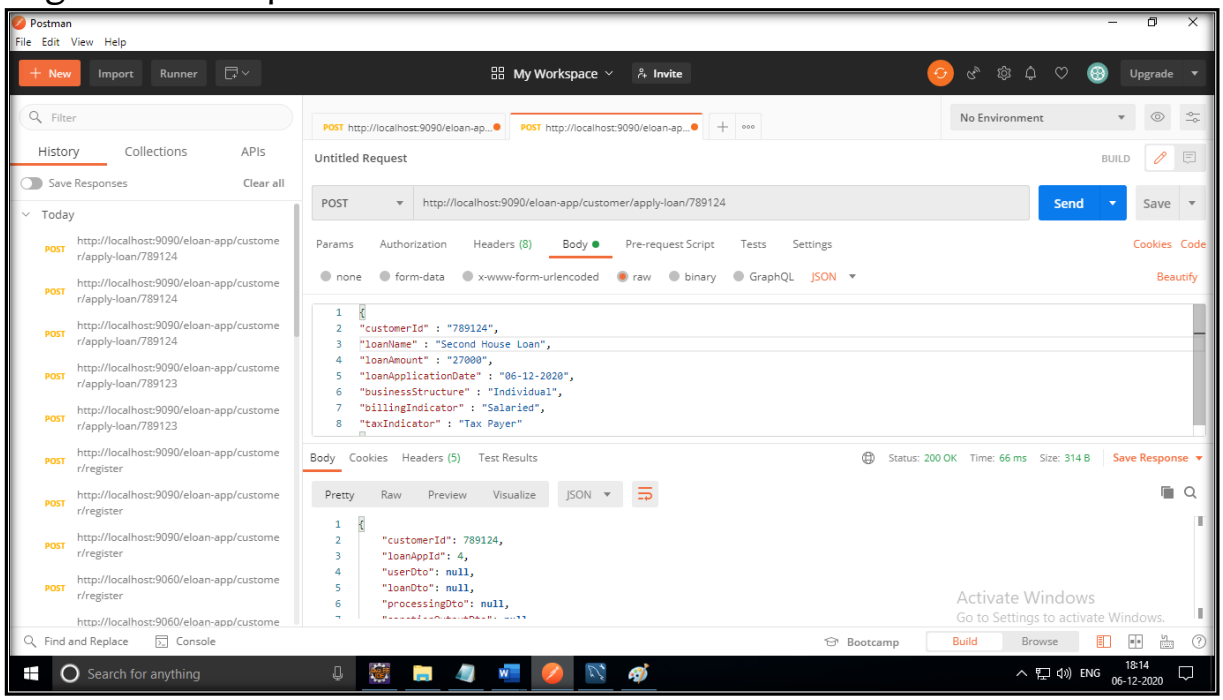


Apply Loan functionality code and output execution

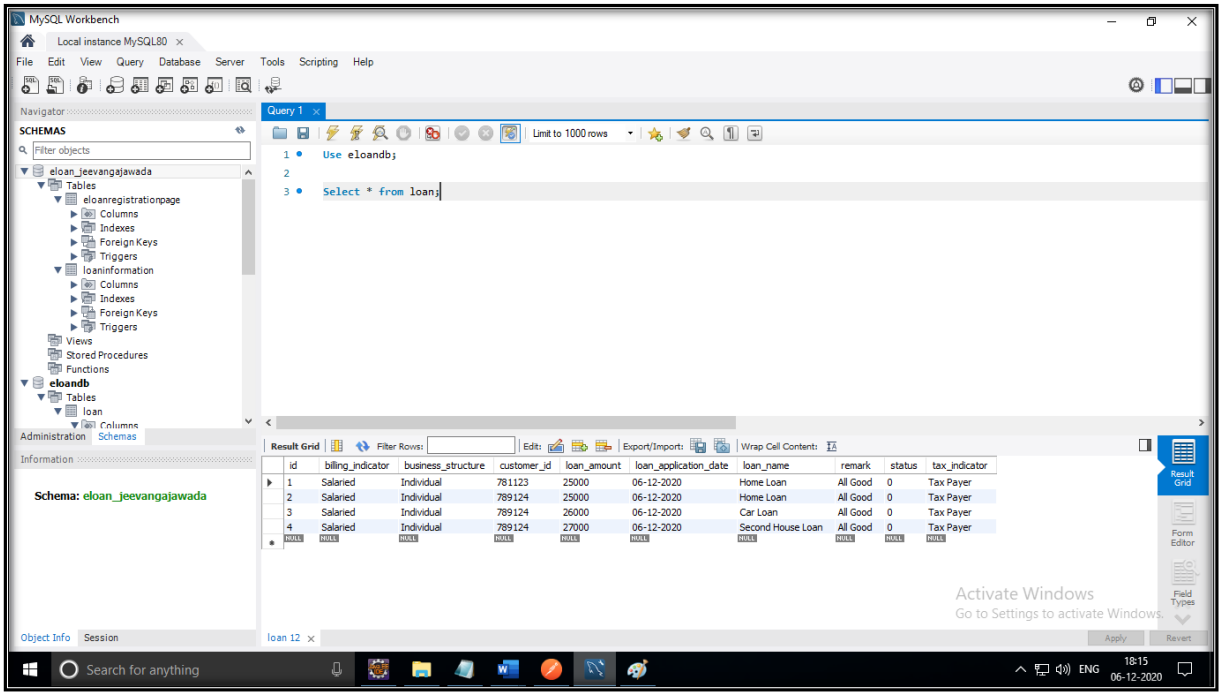




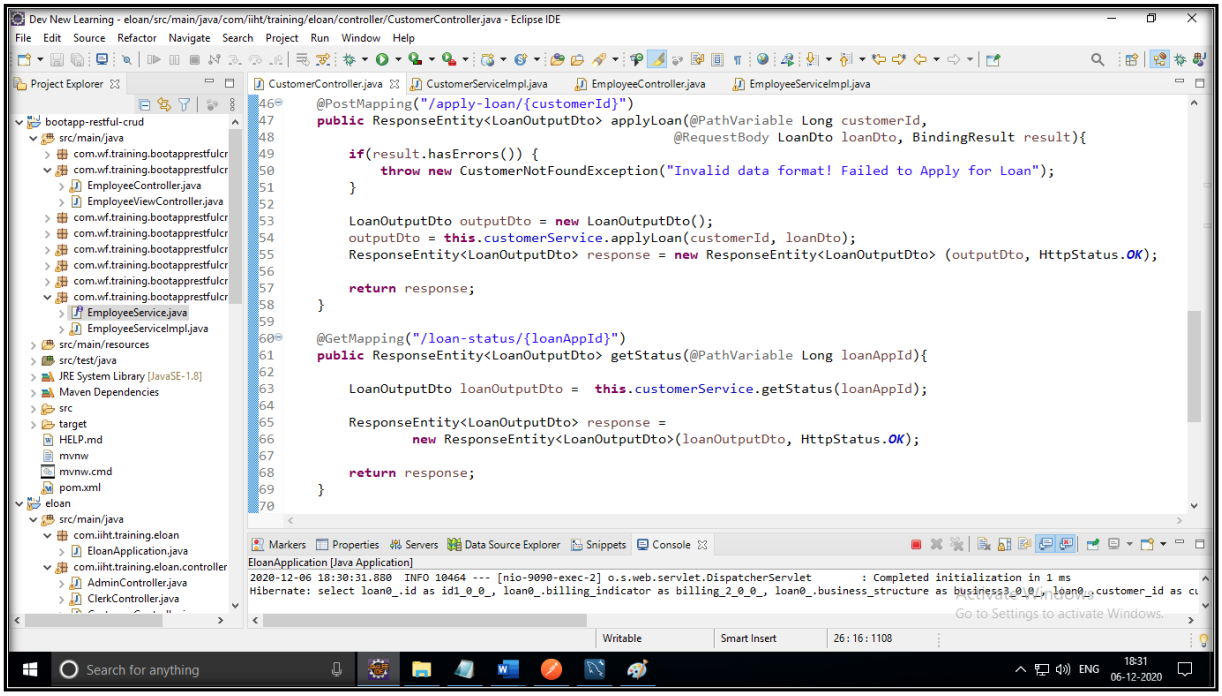
Registered multiple loans with same and different customer id's

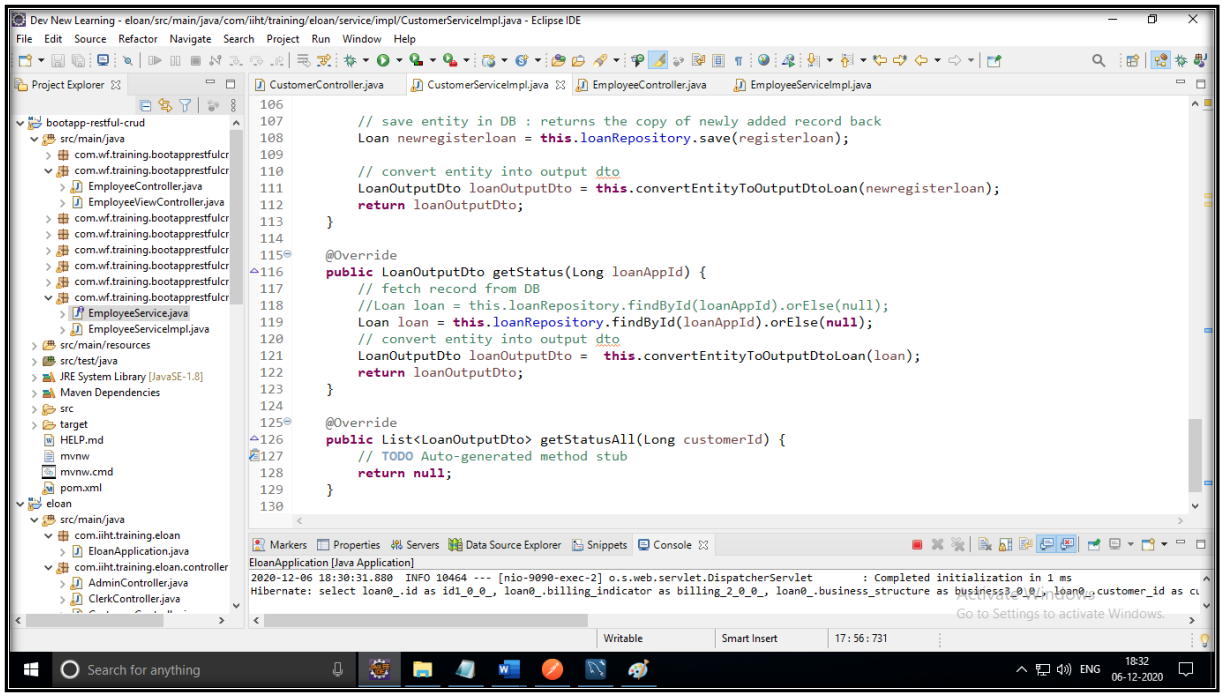


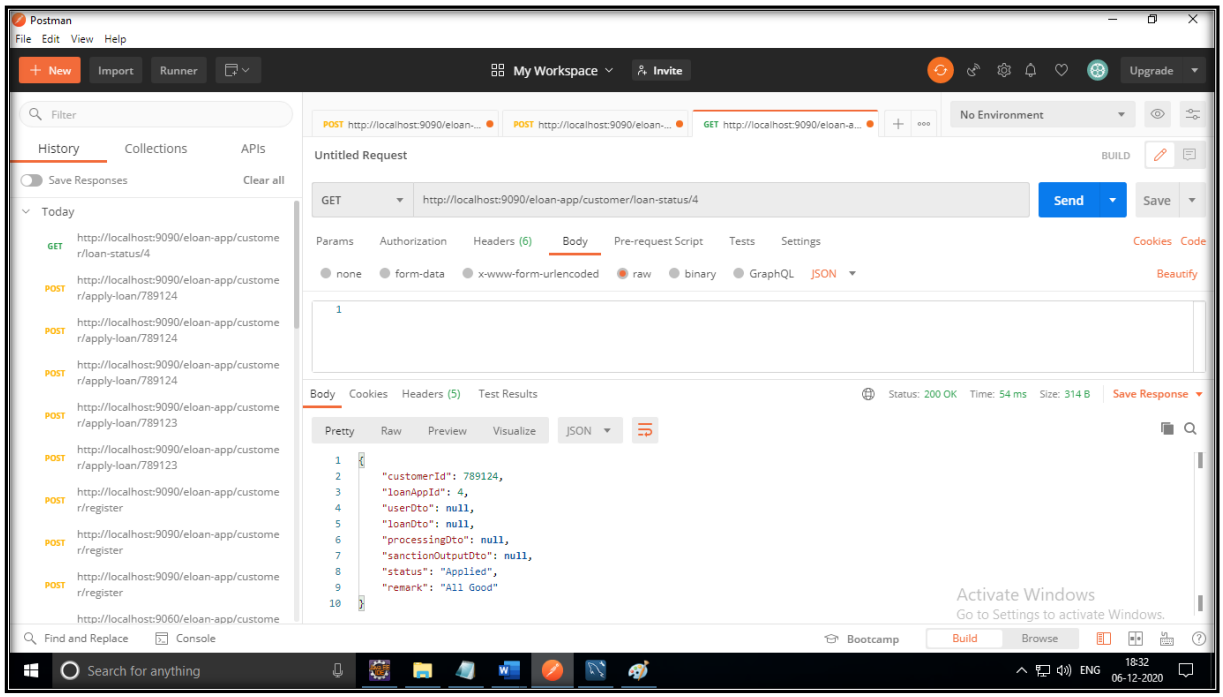
DB Table with inserted values



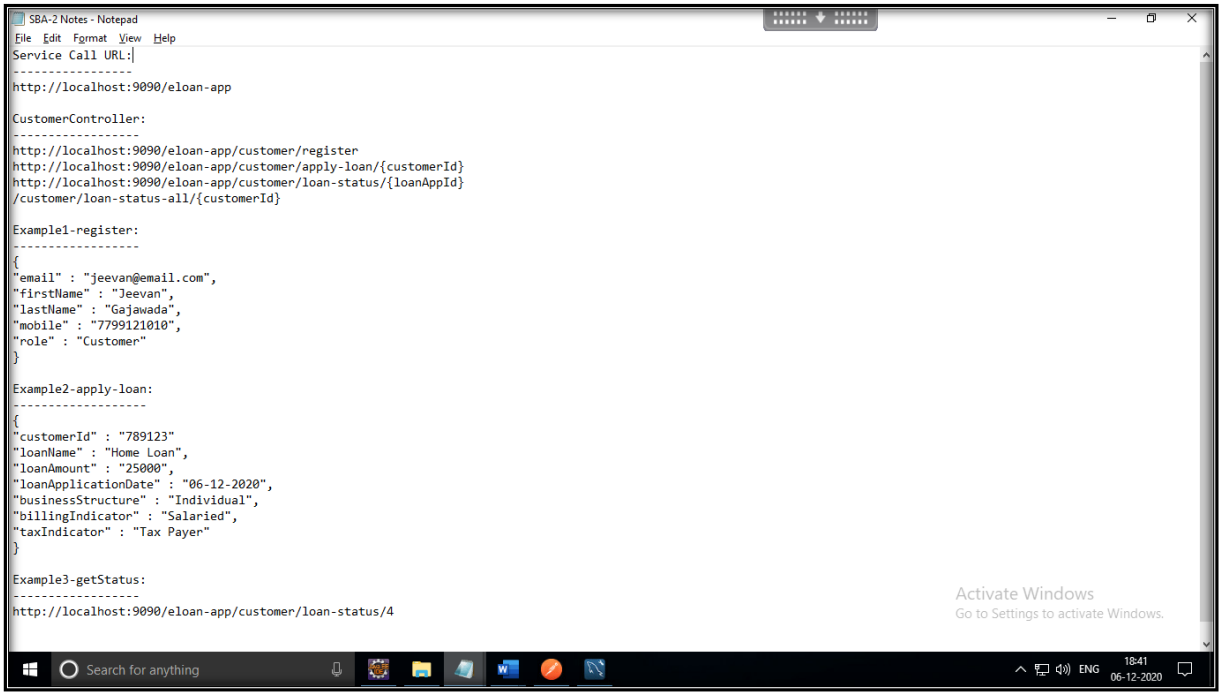
Loan Applied `getStatus` code with postman execution



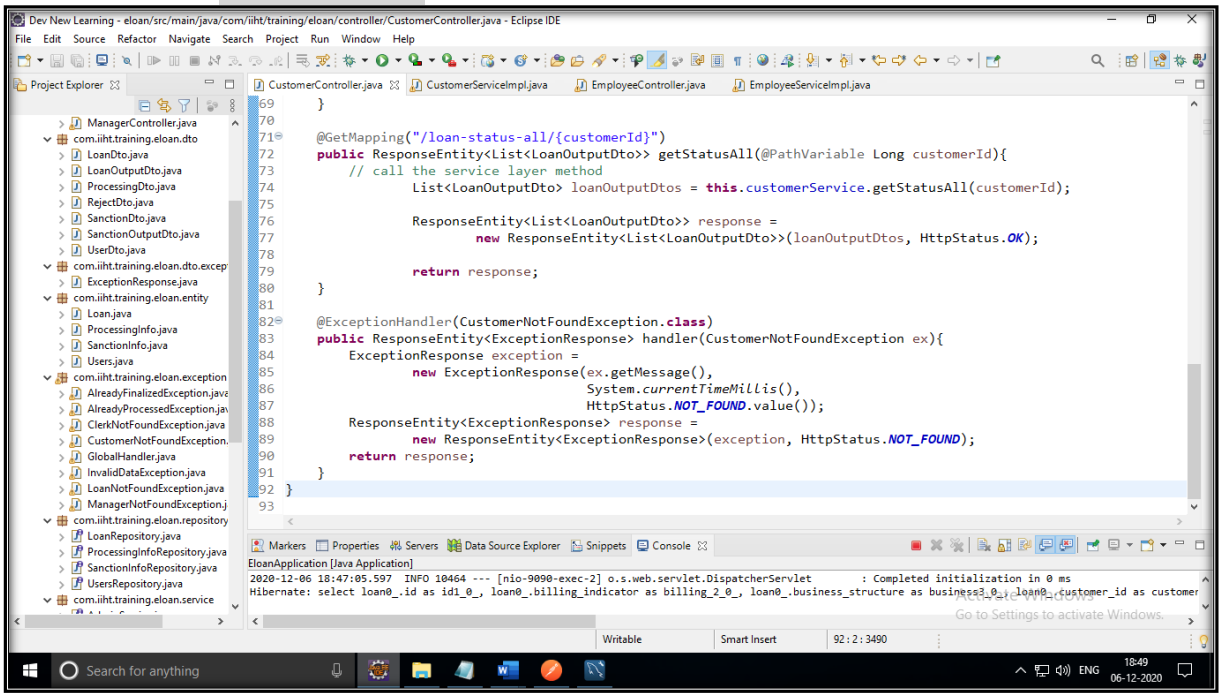

Dev New Learning - eloan/src/main/java/com/iiht/training/eloan/service/impl/CustomerServiceImpl.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
CustomerController.java
CustomerServiceImpl.java
EmployeeController.java
EmployeeServiceImpl.java
bootapp-restful-crud
src/main/java
com.wf.training.bootapprestfulcr
EmployeeController.java
EmployeeViewController.java
EmployeeService.java
EmployeeServiceImpl.java
src/main/resources
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
HELP.md
mvnw
mvnw.cmd
pom.xml
eloan
src/main/java
com.iiht.training.eloan
EloanApplication.java
com.iiht.training.eloan.controller
AdminController.java
ClerkController.java
106
107 // save entity in DB : returns the copy of newly added record back
108 Loan newregisterloan = this.loanRepository.save(registerloan);
109
110 // convert entity into output dto
111 LoanOutputDto loanOutputDto = this.convertEntityToOutputDtoLoan(newregisterloan);
112 return loanOutputDto;
113 }
114
115 @Override
116 public LoanOutputDto getStatus(Long loanAppId) {
117 // fetch record from DB
118 //Loan loan = this.loanRepository.findById(loanAppId).orElse(null);
119 Loan loan = this.loanRepository.findById(loanAppId).orElse(null);
120 // convert entity into output dto
121 LoanOutputDto loanOutputDto = this.convertEntityToOutputDtoLoan(loan);
122 return loanOutputDto;
123 }
124
125 @Override
126 public List<LoanOutputDto> getStatusAll(Long customerId) {
127 // TODO Auto-generated method stub
128 return null;
129 }
130
Markers Properties Servers Data Source Explorer Snippets Console
EloanApplication [Java Application]
2020-12-06 18:30:31.880 INFO 10464 --- [nio-9090-exec-2] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
Hibernate: select loan0_.id as id1_0_0_, loan0_.billing_indicator as billing_2_0_0_, loan0_.business_structure as business3_0_0_, loan0_.customer_id as cu
Writable
Smart Insert
17 : 56 : 731
Search for anything
ENG
18:32
06-12-2020

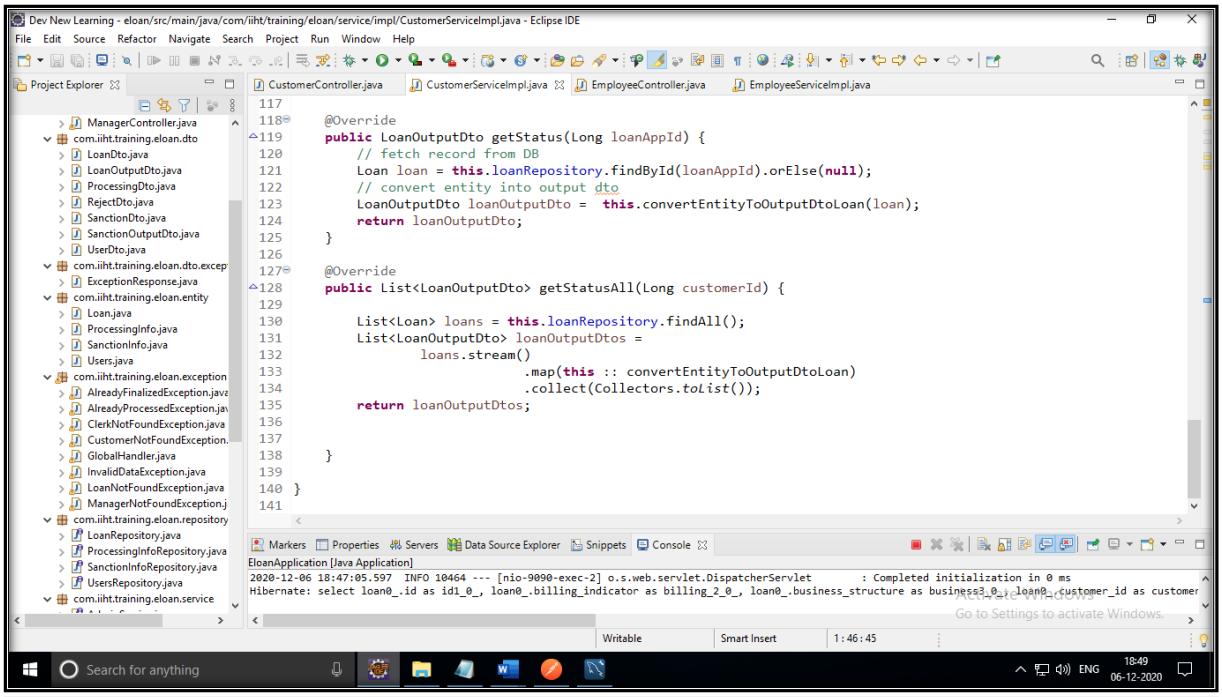

Postman
File Edit View Help
New
Import
Runner
My Workspace
Invite
Upgrade
Filter
History
Collections
APIs
Save Responses
Clear all
Today
GET http://localhost:9090/eloan-app/customer/loan-status/4
POST http://localhost:9090/eloan-app/customer/apply-loan/789124
POST http://localhost:9090/eloan-app/customer/apply-loan/789124
POST http://localhost:9090/eloan-app/customer/apply-loan/789124
POST http://localhost:9090/eloan-app/customer/apply-loan/789123
POST http://localhost:9090/eloan-app/customer/apply-loan/789123
POST http://localhost:9090/eloan-app/customer/register
POST http://localhost:9090/eloan-app/customer/register
POST http://localhost:9090/eloan-app/customer/register
No Environment
Untitled Request
BUILD
GET
http://localhost:9090/eloan-app/customer/loan-status/4
Send
Save
Params Authorization Headers (6) Body Pre-request Script Tests Settings
Cookies Code
none form-data x-www-form-urlencoded raw binary GraphQL JSON
Beautify
Body Cookies Headers (5) Test Results
Status: 200 OK Time: 54 ms Size: 314 B
Save Response
Pretty Raw Preview Visualize JSON
{
"customerId": 789124,
"loanAppId": 4,
"userDto": null,
"loanDto": null,
"processingDto": null,
"sanctionOutputDto": null,
"status": "Applied",
"remark": "All Good"
}
Activate Windows
Go to Settings to activate Windows.
Find and Replace
Console
Bootcamp
Build
Browse
Search for anything
ENG
18:32
06-12-2020

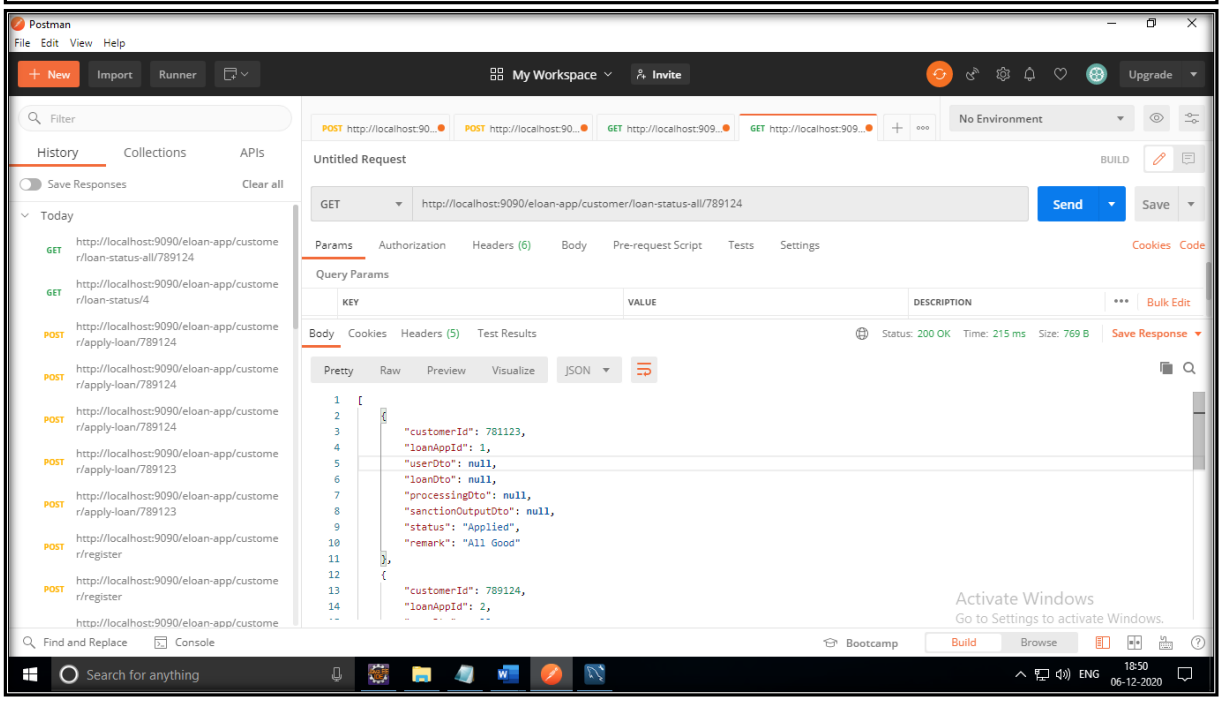
Raw Input JSON Data for the first 3 URL's

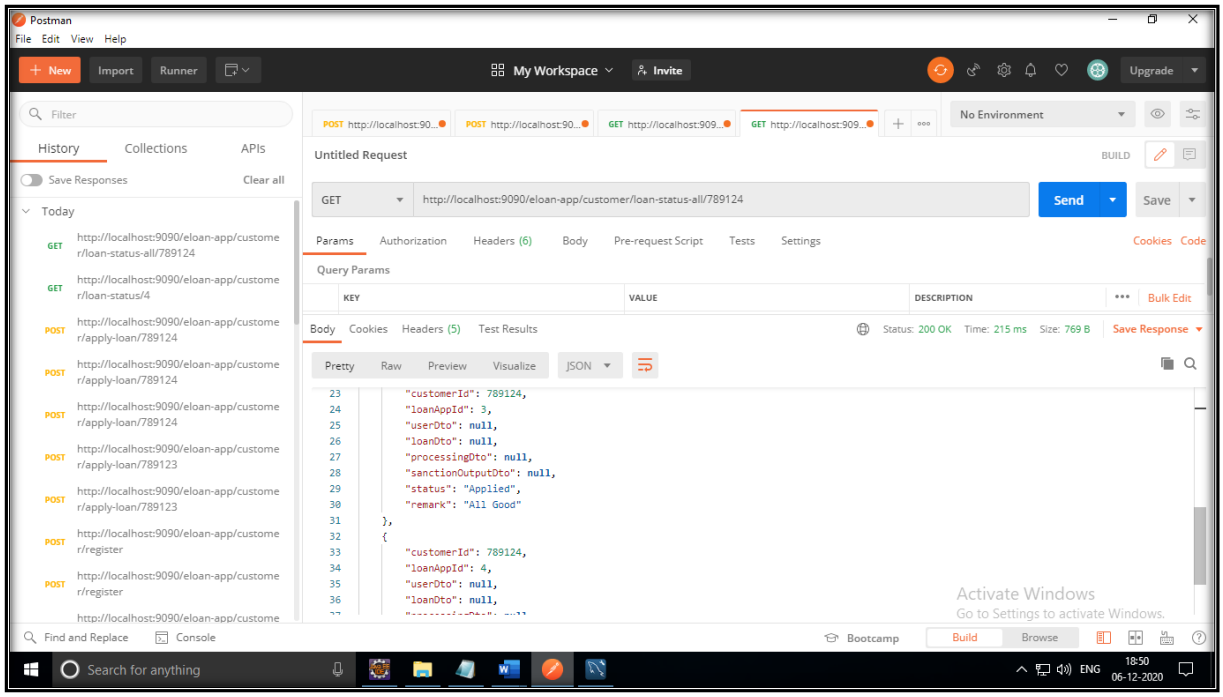


Loan Applied `getStatusAll` code with postman execution

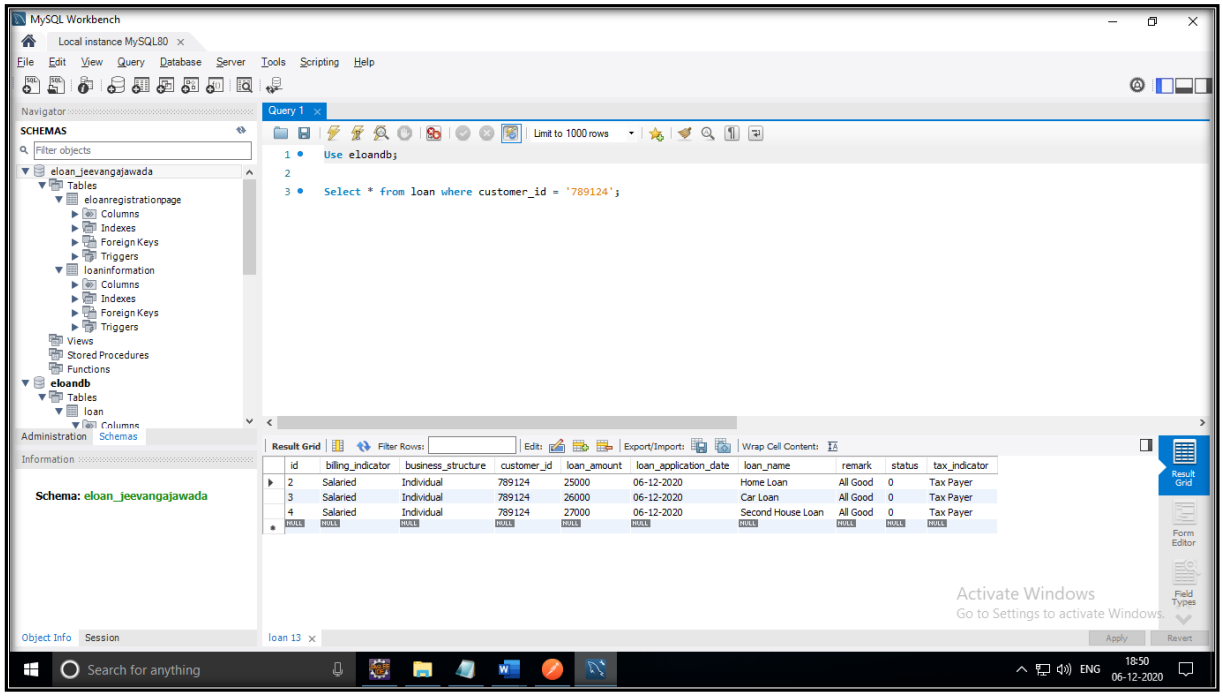



Dev New Learning - eloan/src/main/java/com/iiht/training/eloan/service/impl/CustomerServiceImpl.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
CustomerController.java
CustomerServiceImpl.java
EmployeeController.java
EmployeeServiceImpl.java
@Override
public LoanOutputDto getStatus(Long loanAppId) {
// fetch record from DB
Loan loan = this.loanRepository.findById(loanAppId).orElse(null);
// convert entity into output dto
LoanOutputDto loanOutputDto = this.convertEntityToOutputDtoLoan(loan);
return loanOutputDto;
}
@Override
public List<LoanOutputDto> getStatusAll(Long customerId) {
List<Loan> loans = this.loanRepository.findAll();
List<LoanOutputDto> loanOutputDtos =
loans.stream()
.map(this :: convertEntityToOutputDtoLoan)
.collect(Collectors.toList());
return loanOutputDtos;
}
}
Markers Properties Servers Data Source Explorer Snippets Console
EloanApplication [Java Application]
2020-12-06 18:47:05.597 INFO 10464 --- [nio-9090-exec-2] o.s.web.servlet.DispatcherServlet : Completed initialization in 0 ms
Hibernate: select loan0_.id as id1_0_, loan0_.billing_indicator as billing_2_0_, loan0_.business_structure as business3_0_, loan0_.customer_id as customer
Writable
Smart Insert
1 : 46 : 45
Search for anything
ENG
18:49
06-12-2020

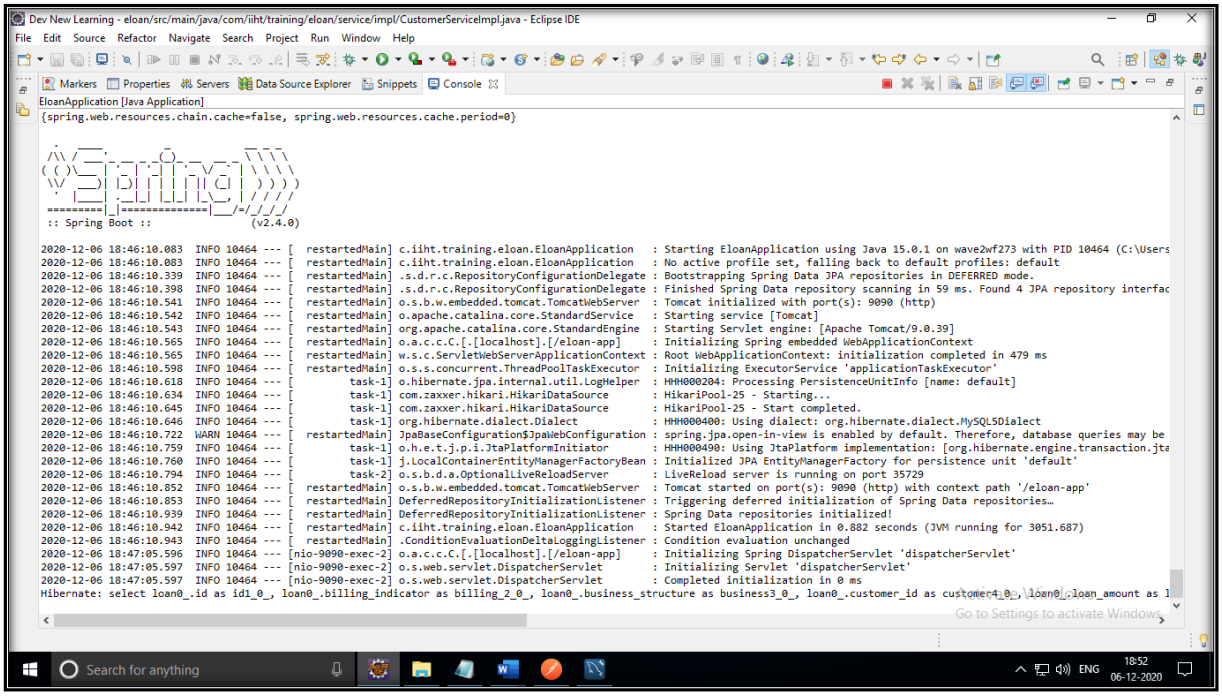

Postman
File Edit View Help
New
Import
Runner
My Workspace
Invite
Upgrade
History
Collections
APIs
Save Responses
Clear all
Today
GET http://localhost:9090/eloan-app/customer/loan-status-all/789124
GET http://localhost:9090/eloan-app/customer/loan-status/4
POST http://localhost:9090/eloan-app/customer/apply-loan/789124
POST http://localhost:9090/eloan-app/customer/apply-loan/789124
POST http://localhost:9090/eloan-app/customer/apply-loan/789124
POST http://localhost:9090/eloan-app/customer/apply-loan/789123
POST http://localhost:9090/eloan-app/customer/apply-loan/789123
POST http://localhost:9090/eloan-app/customer/register
POST http://localhost:9090/eloan-app/customer/register
No Environment
Untitled Request
BUILD
GET
http://localhost:9090/eloan-app/customer/loan-status-all/789124
Send
Save
Params
Authorization
Headers (6)
Body
Pre-request Script
Tests
Settings
Cookies
Code
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
Body
Cookies
Headers (5)
Test Results
Status: 200 OK
Time: 215 ms
Size: 769 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
[
{
"customerId": 781123,
"loanAppId": 1,
"userDto": null,
"loanDto": null,
"processingDto": null,
"sanctionOutputDto": null,
"status": "Applied",
"remark": "All Good"
},
{
"customerId": 789124,
"loanAppId": 2,
Find and Replace
Console
Bootcamp
Build
Browse
Search for anything
ENG
18:50
06-12-2020



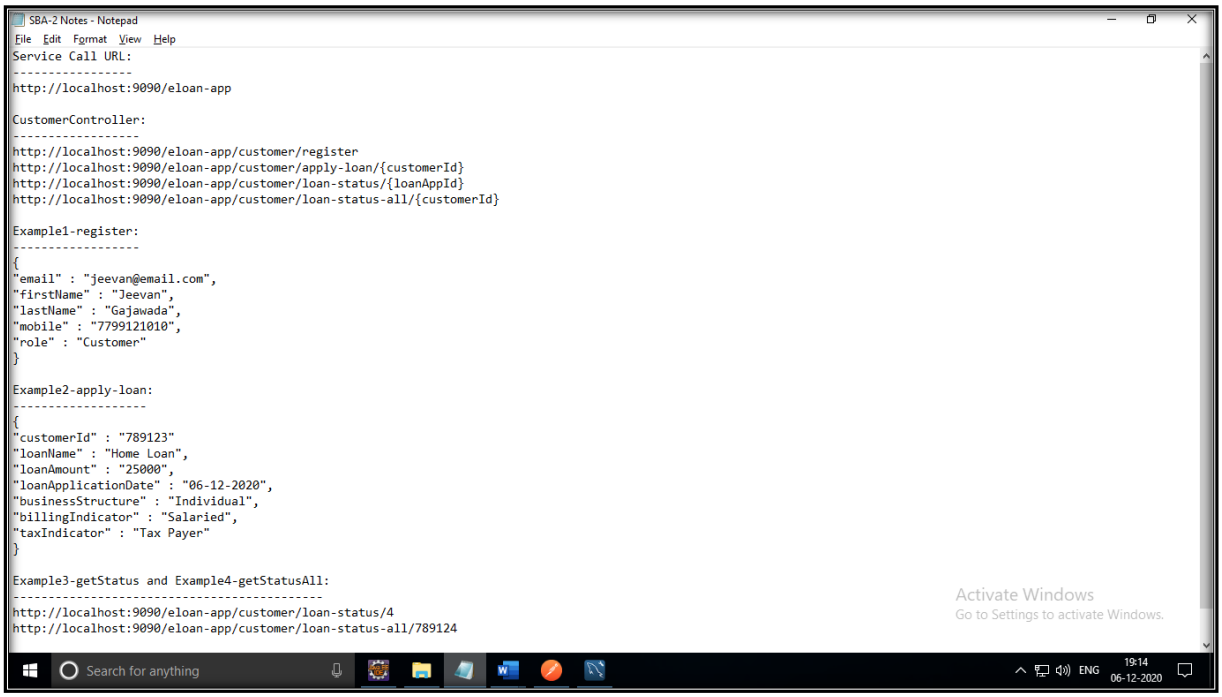
The Postman data result matches with the DB



Console Success output for the CustomerController

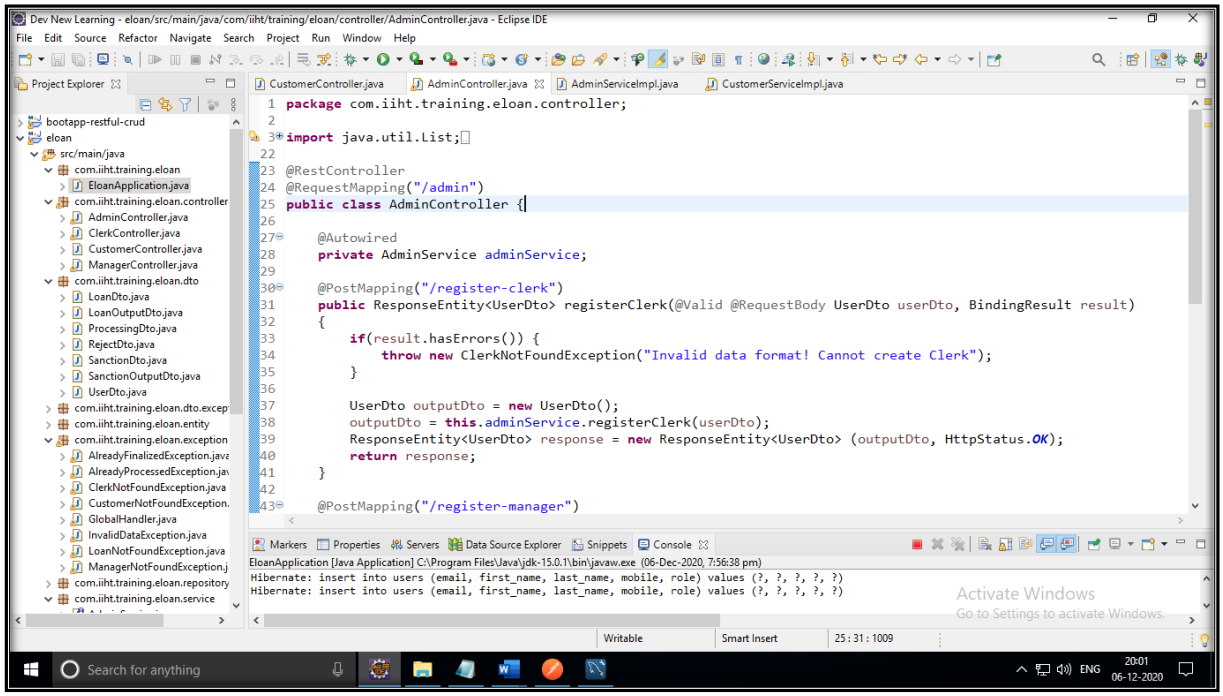


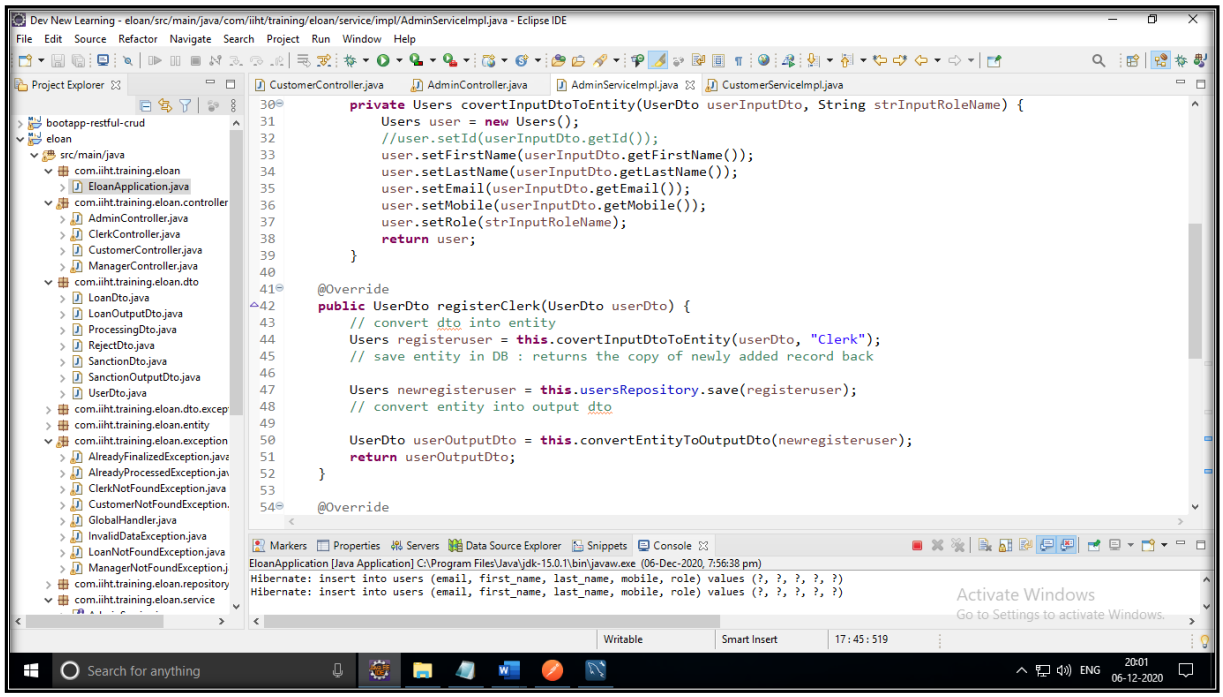
Raw Data use for the CustomerController



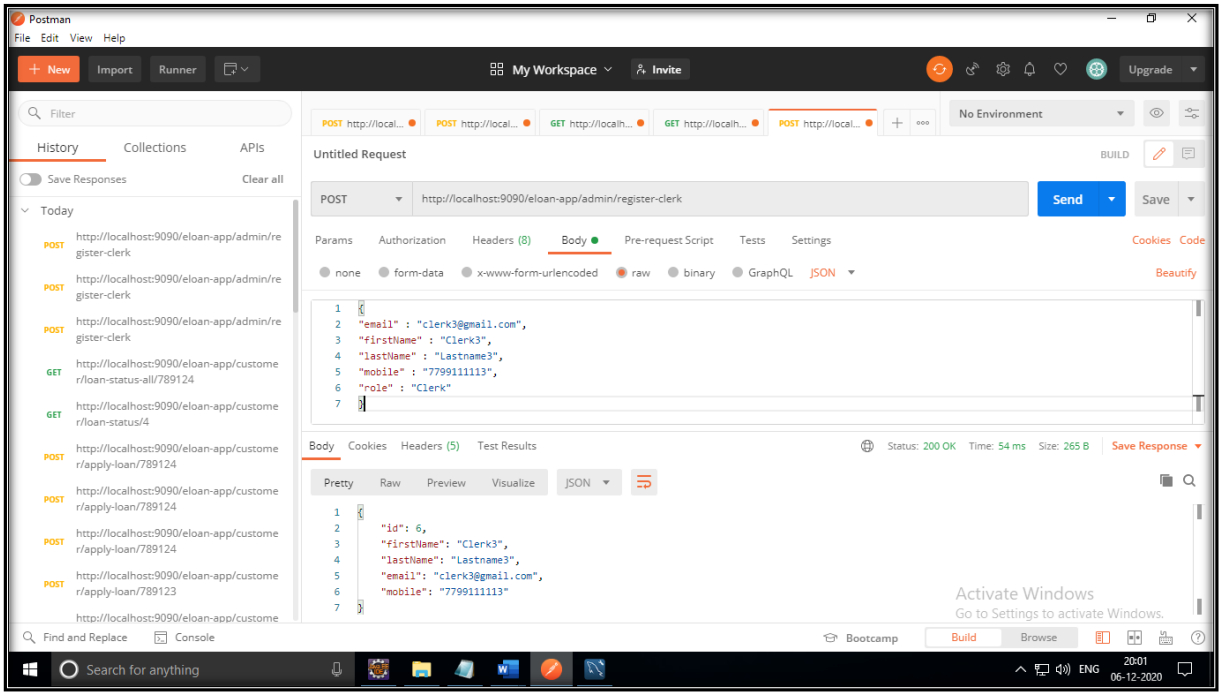
2) AdminController:

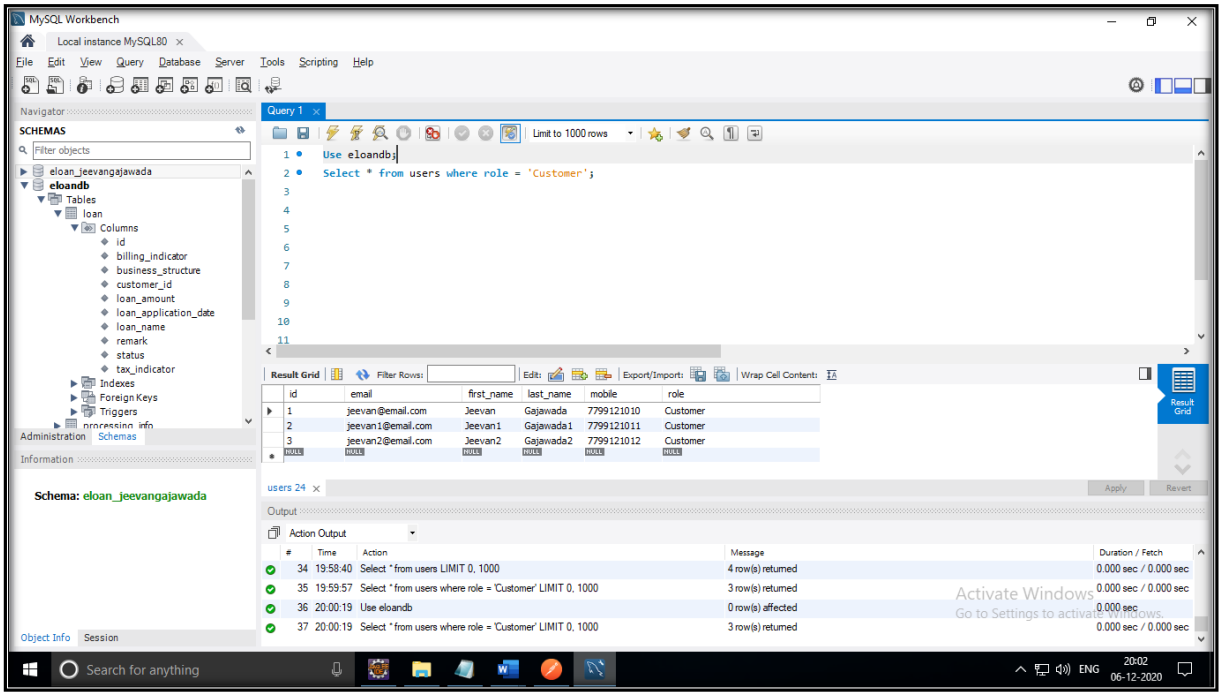
register-clerk code and Postman execution



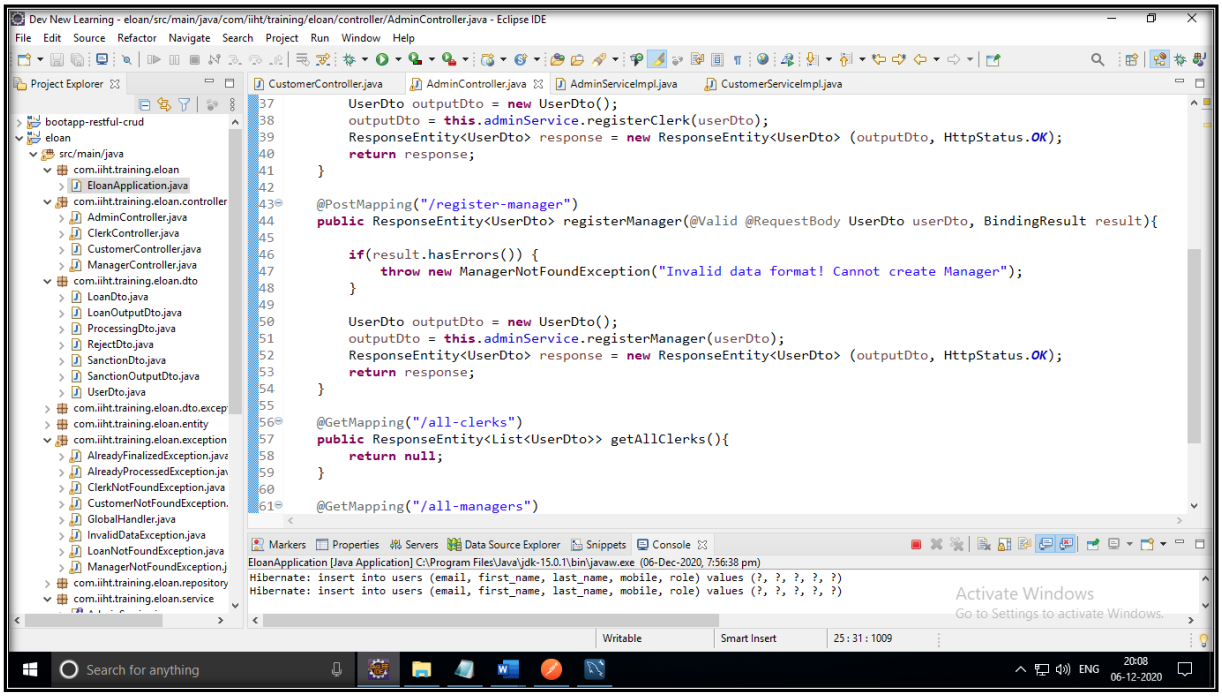


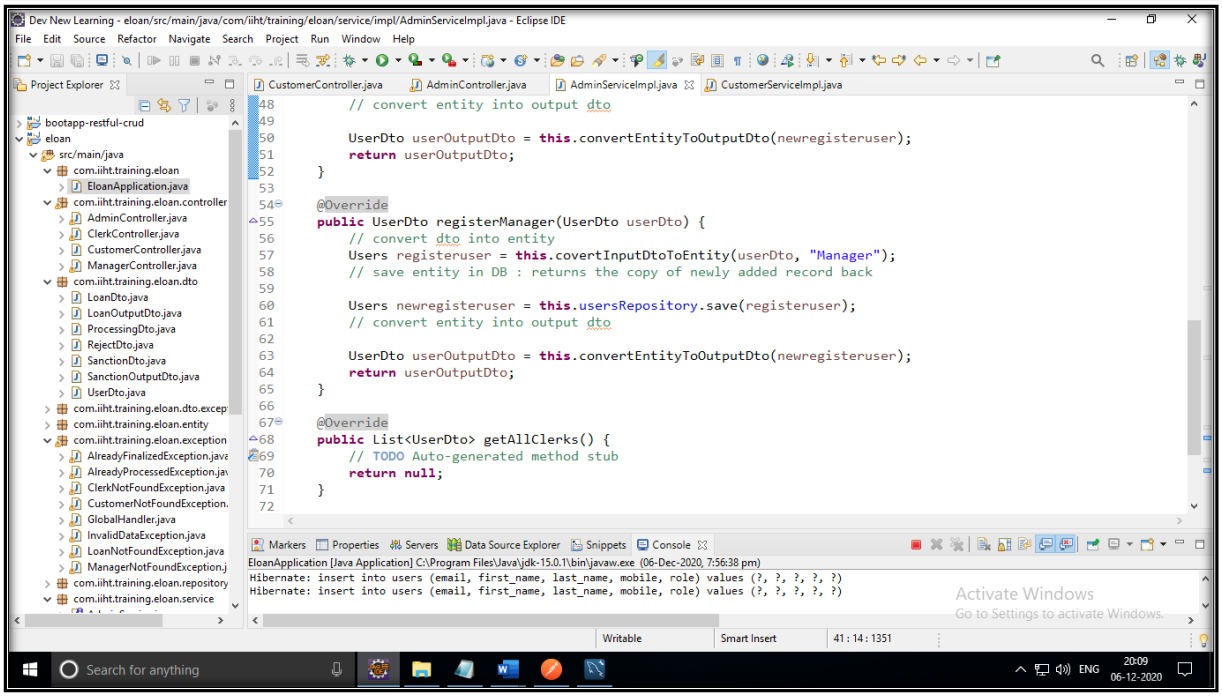
Postman execution is successful and the same is reflected in the DB



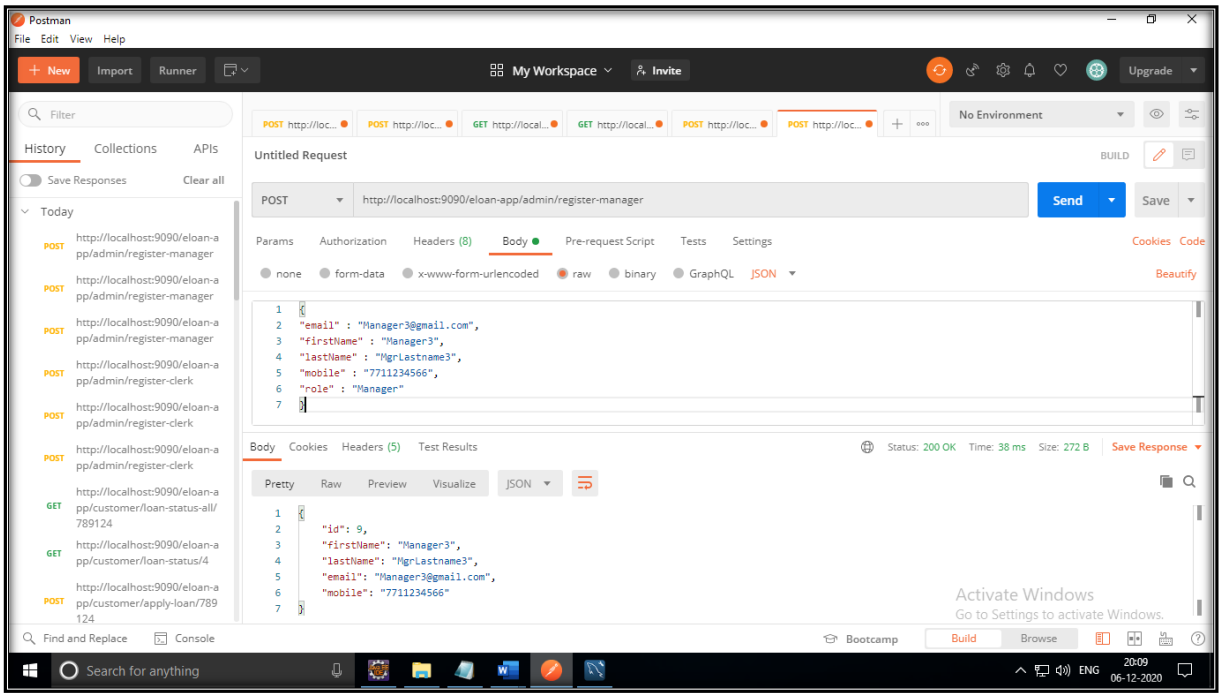


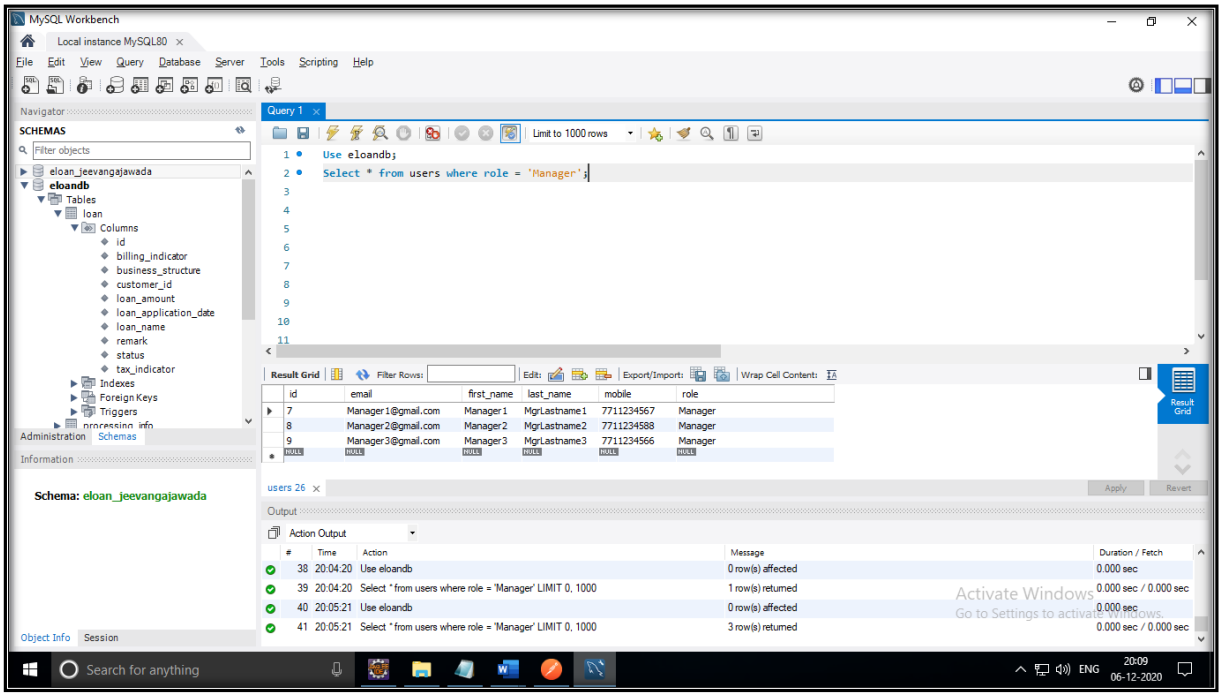
register-manager code and Postman execution



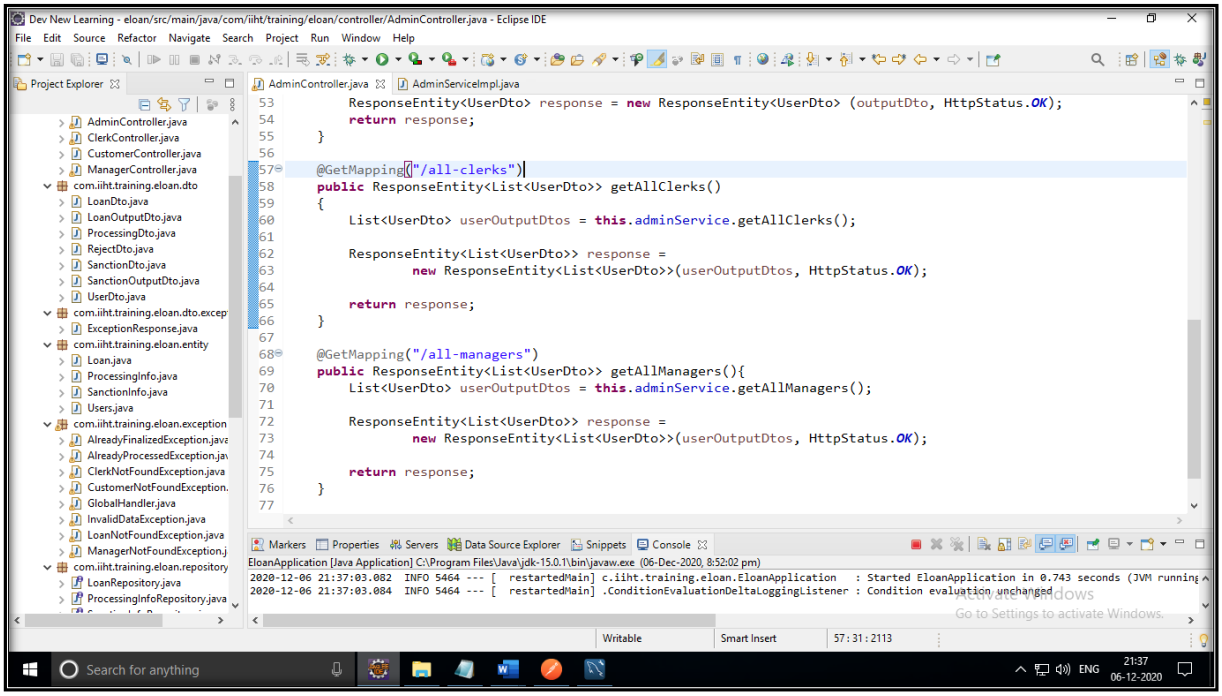


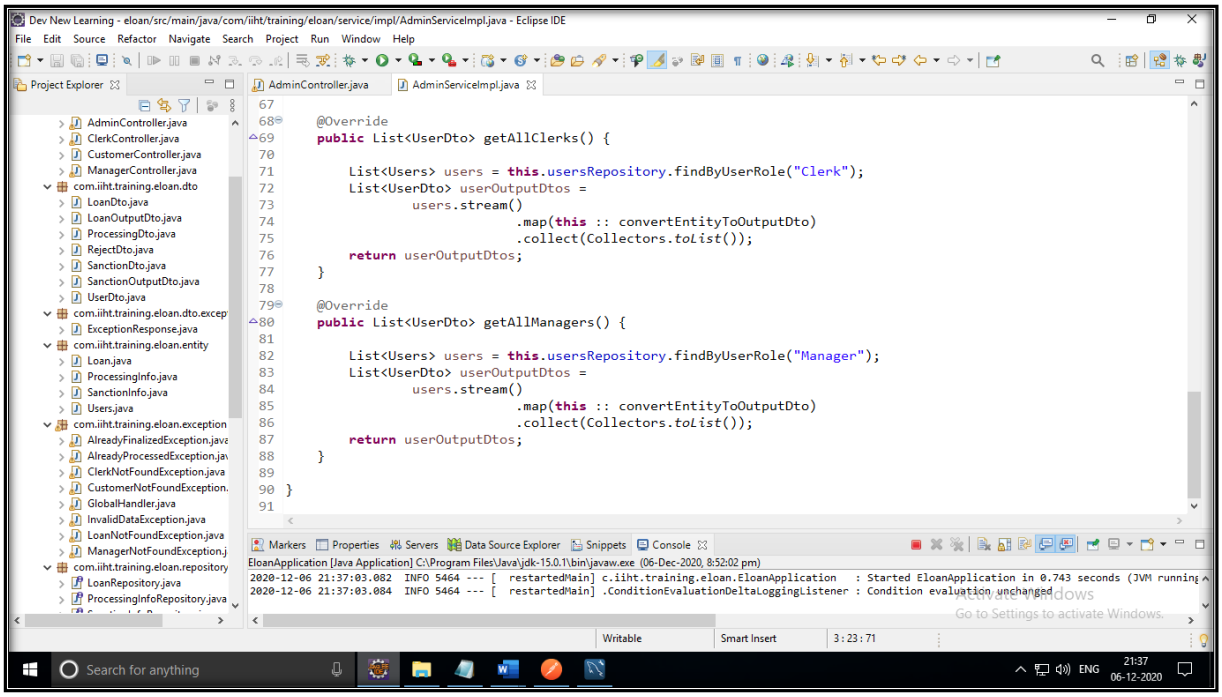
Postman execution is successful and the same is reflected in the DB



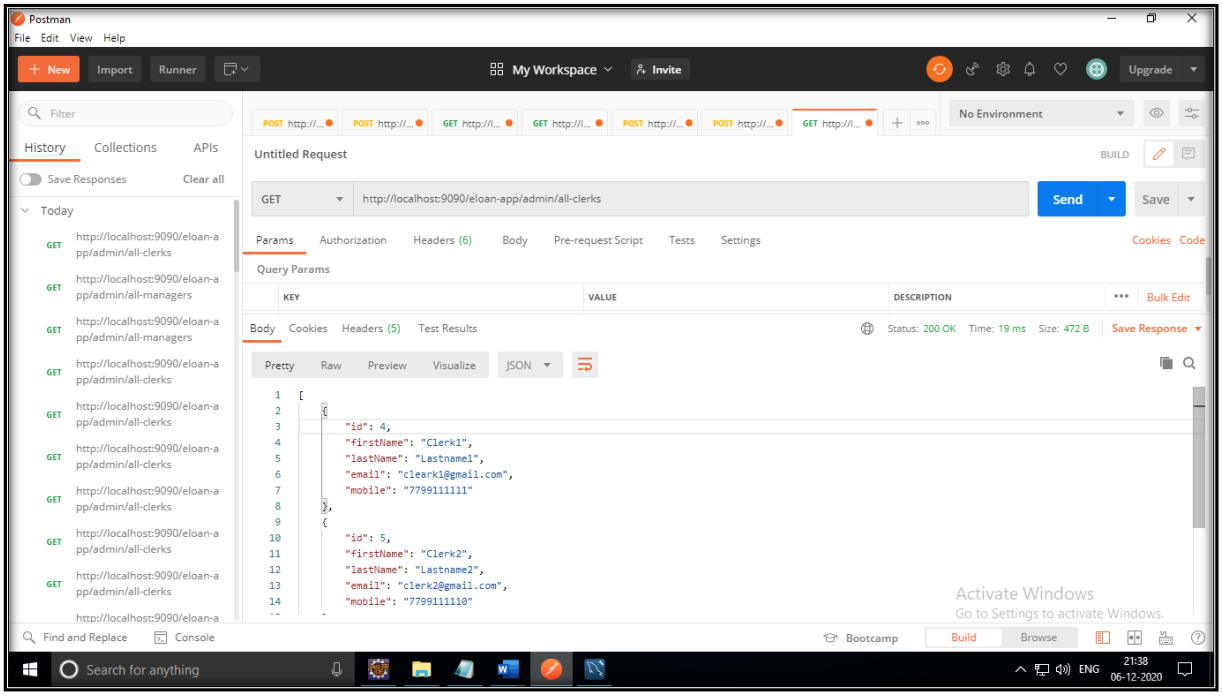


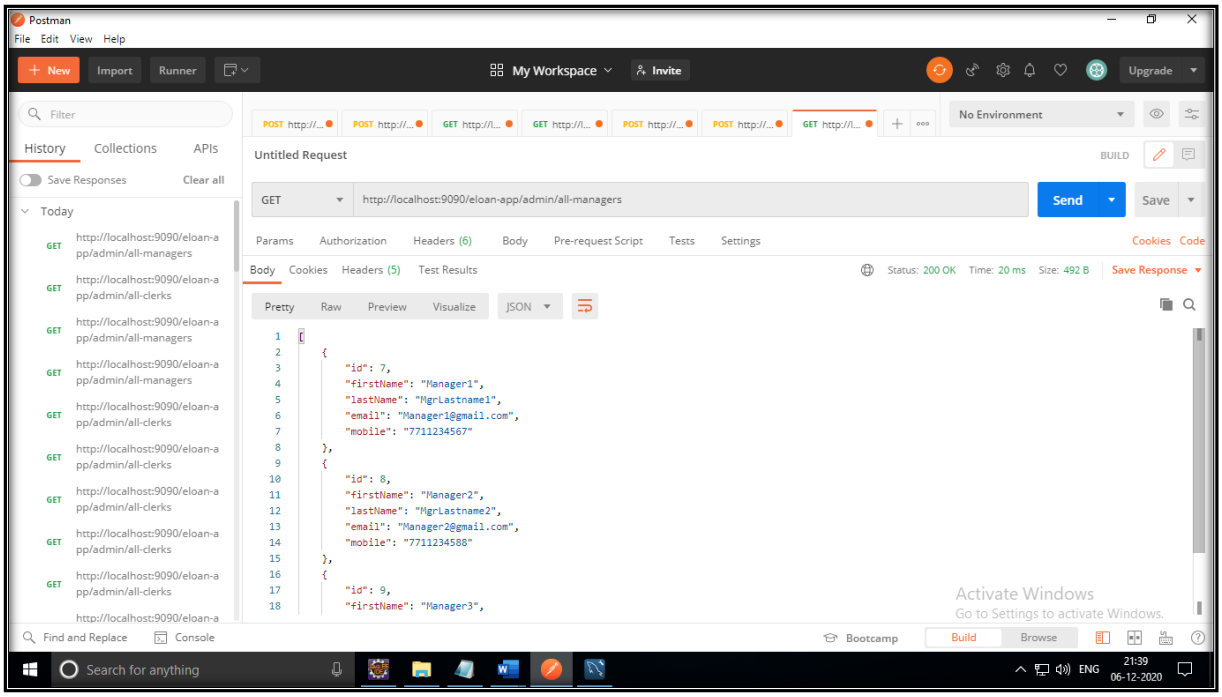
all-clerks and Managers code and postman execution



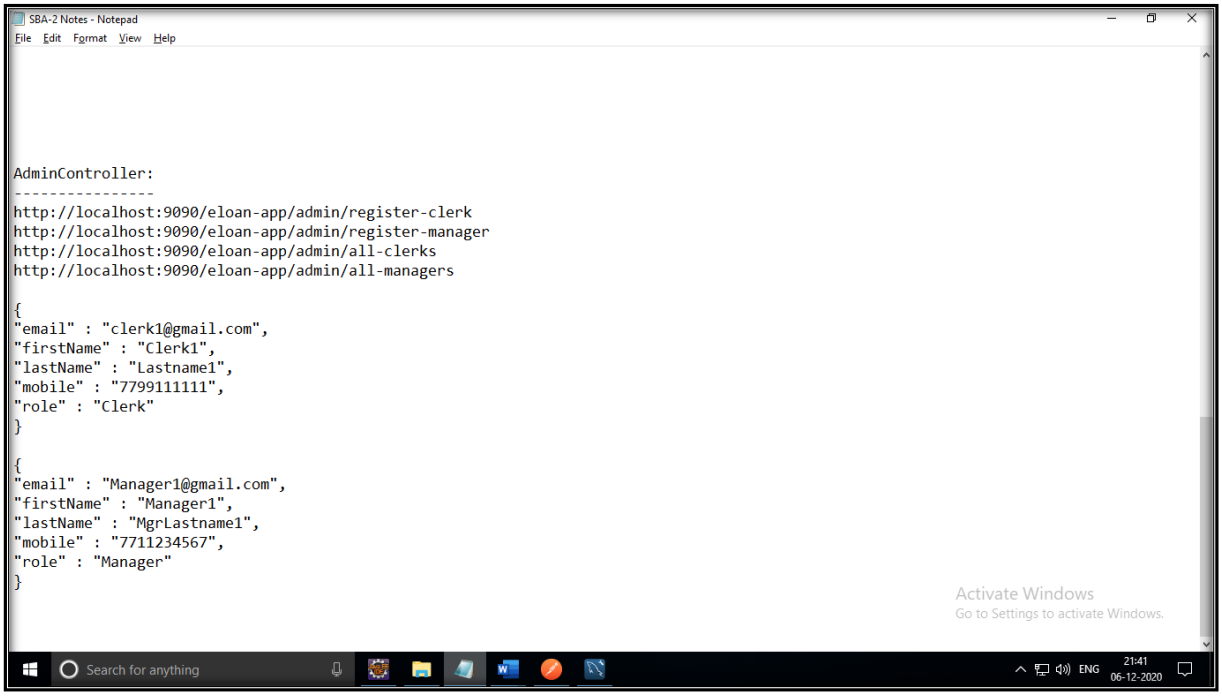


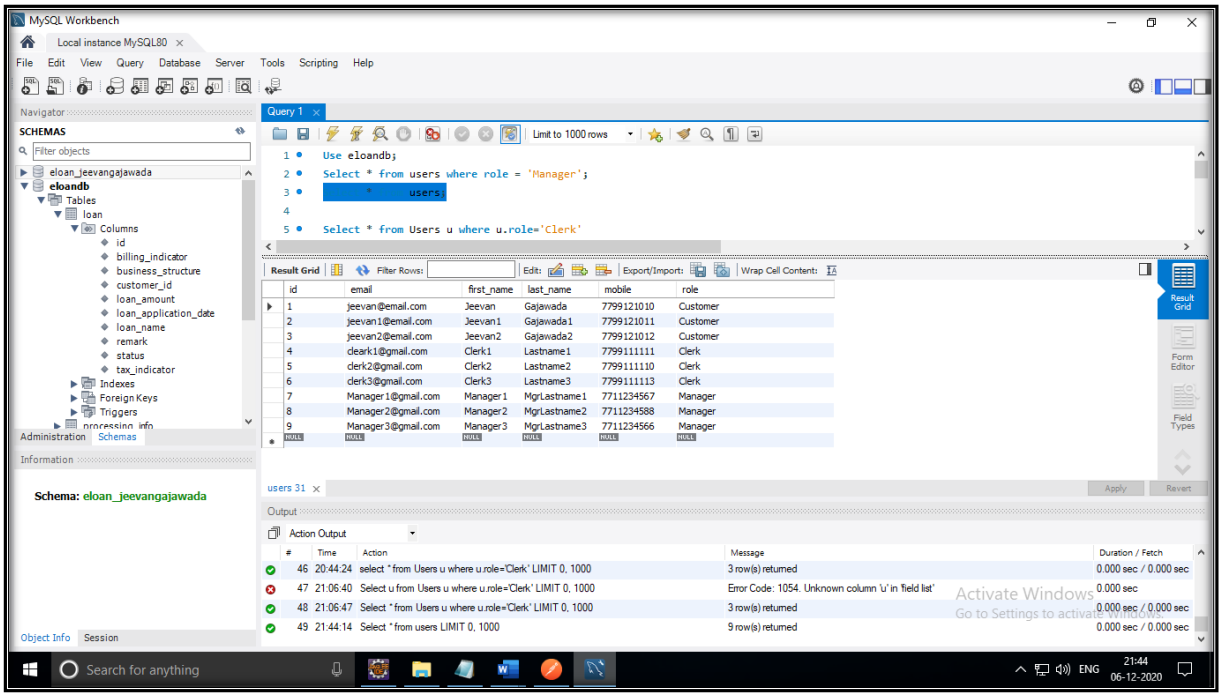
Postman execution for all-clerks and all-managers





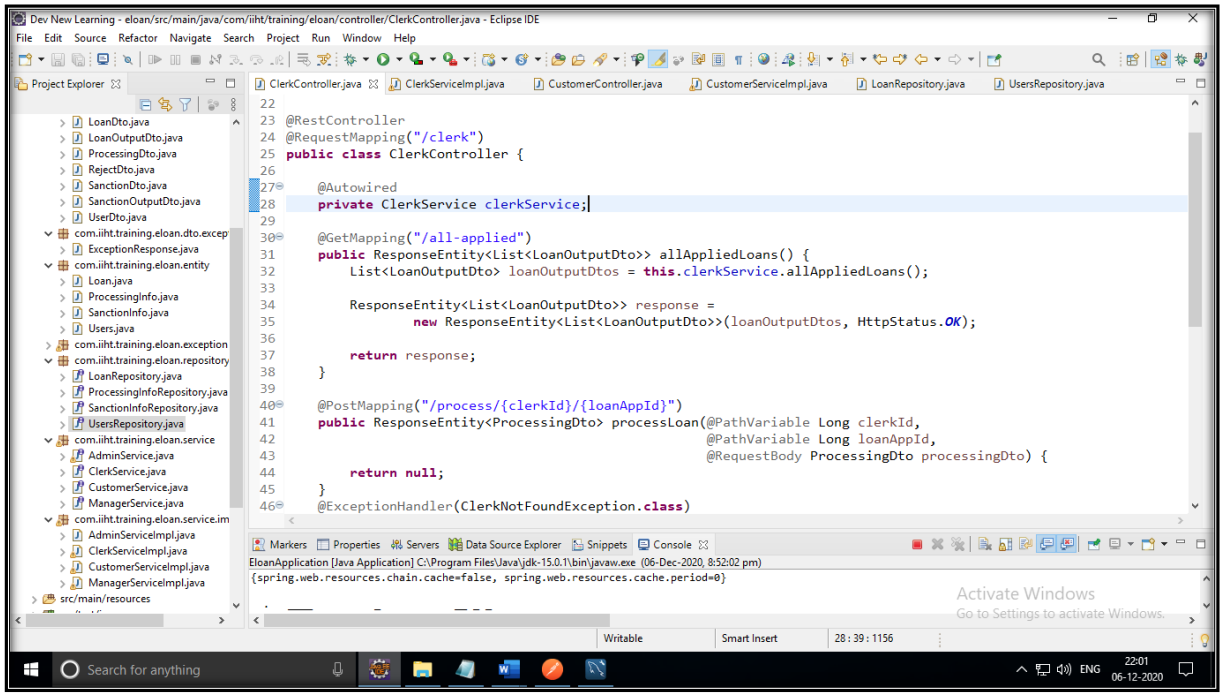
Raw Data used for execution and DB snapshot

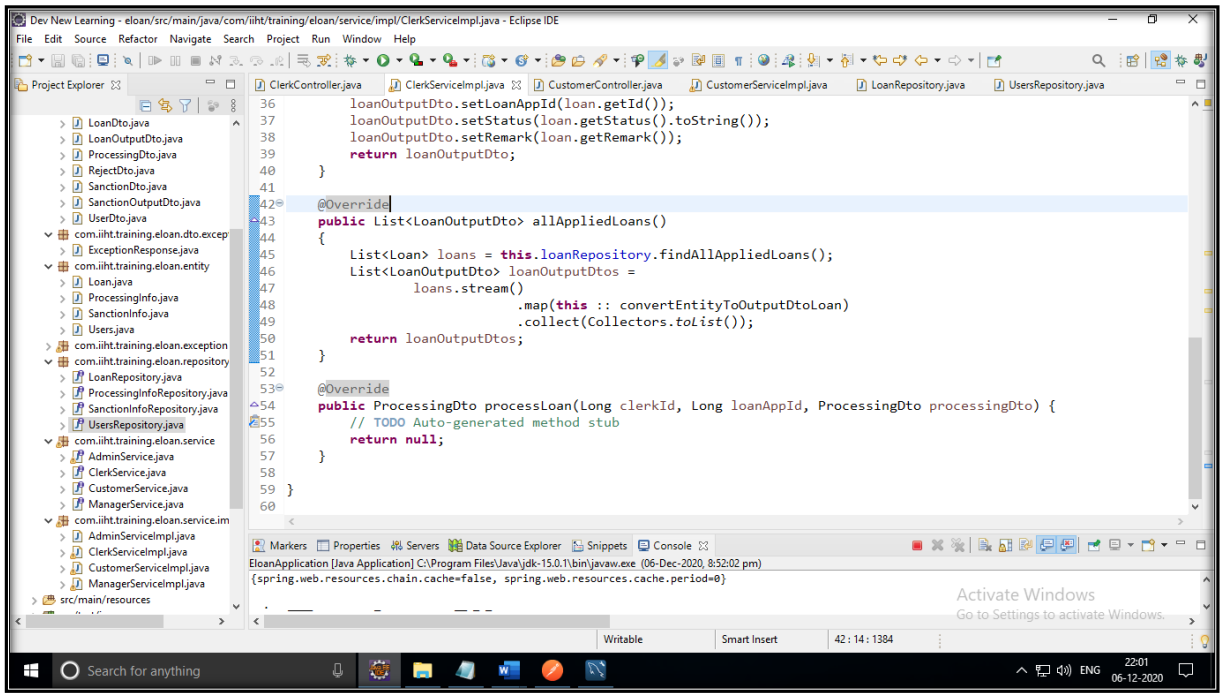


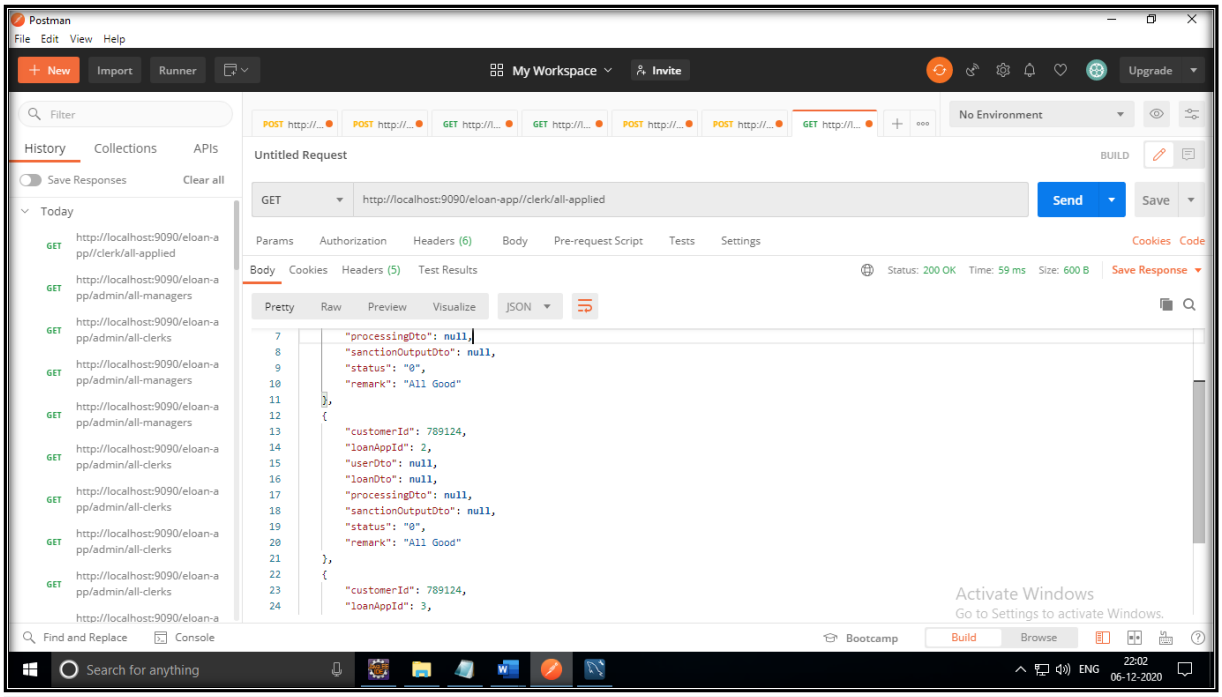


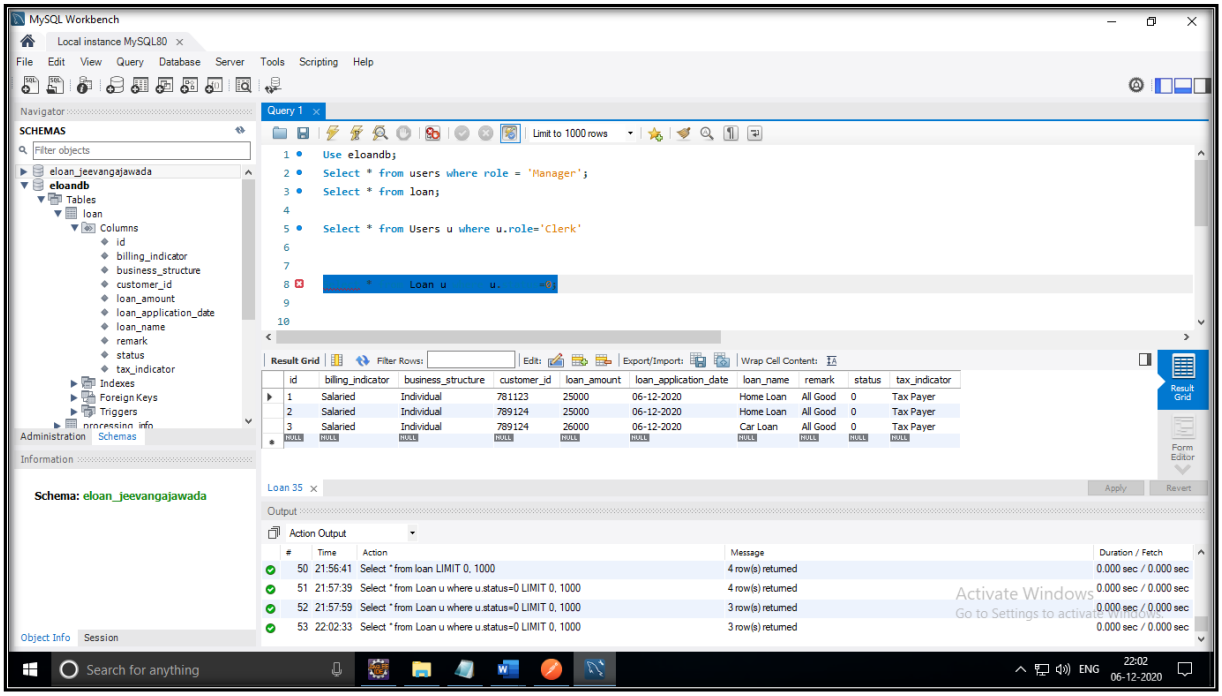
3. ClerkController and 4. ManagerController

findAllApplied loans code and execution

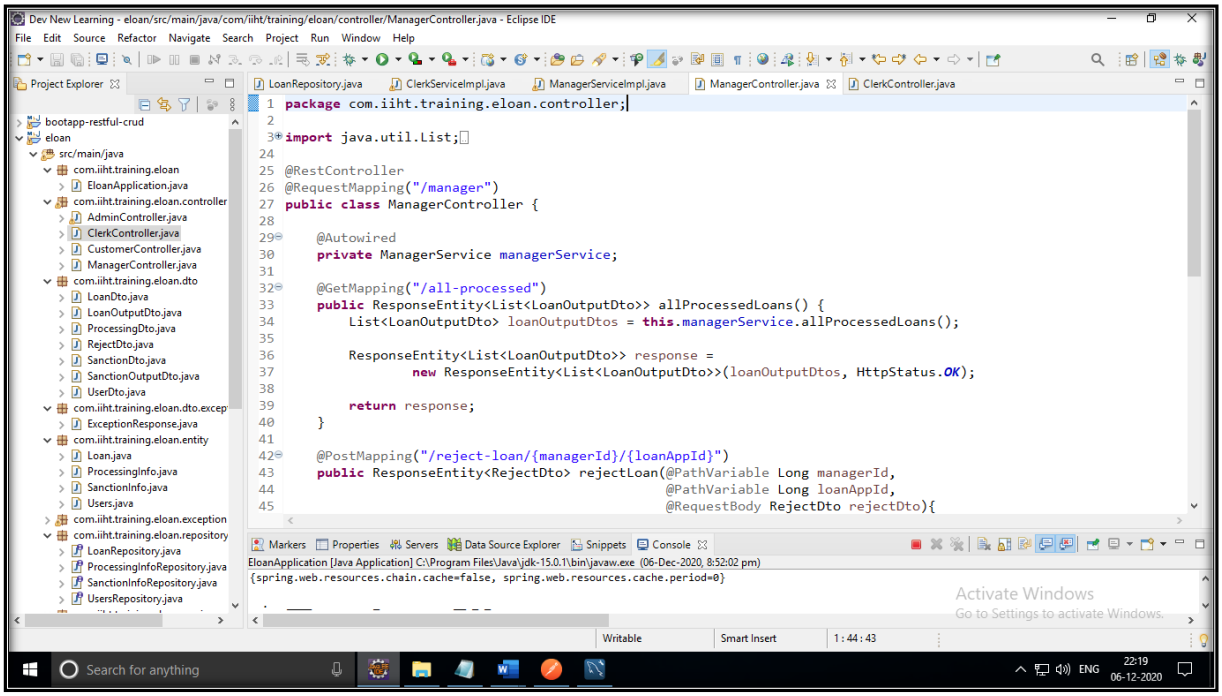


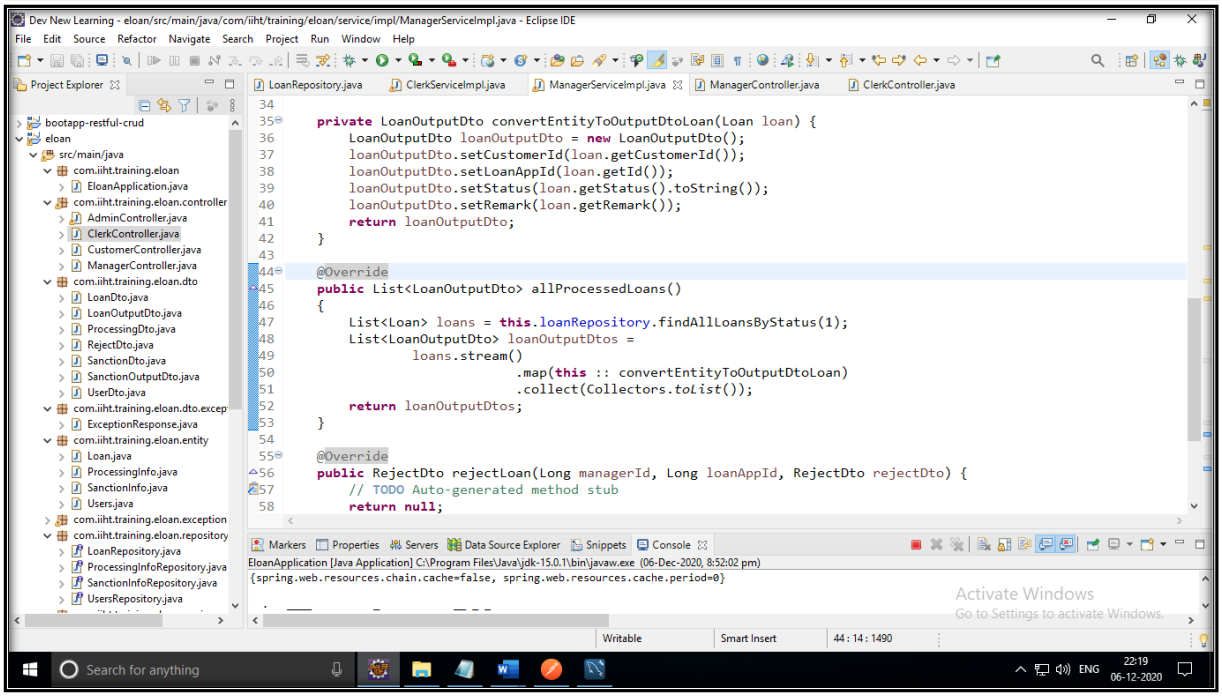


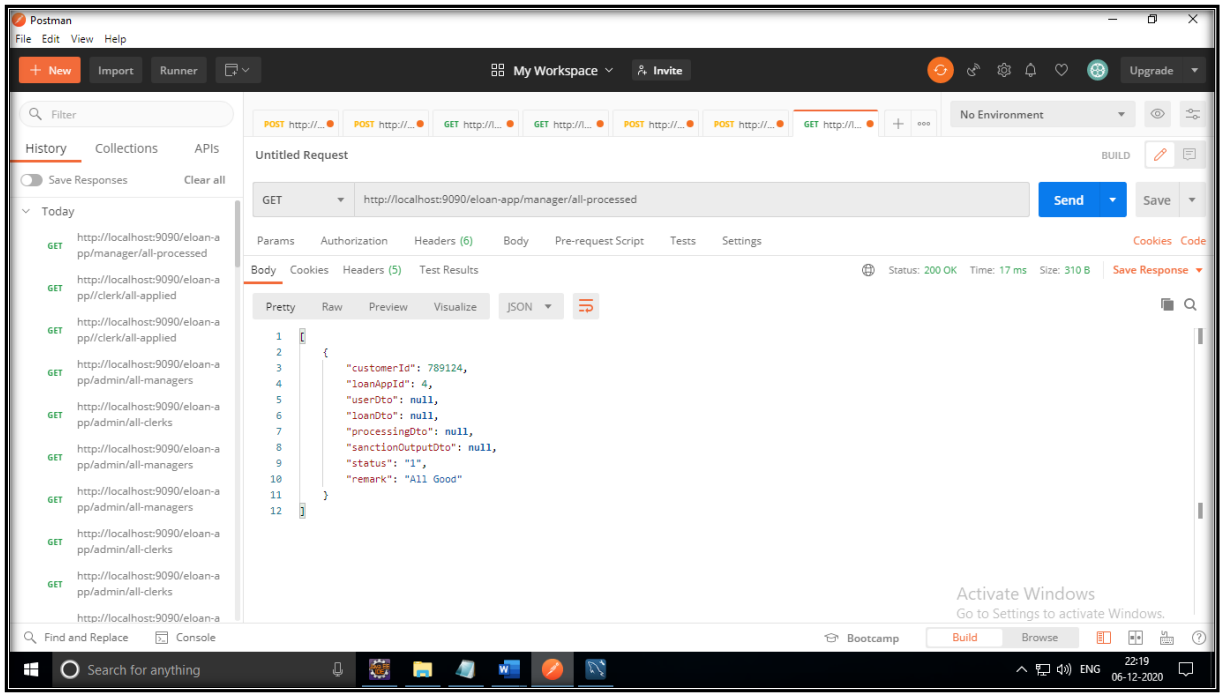

Postman
File Edit View Help
New Import Runner
My Workspace
Invite
Upgrade
History Collections APIs
Save Responses Clear all
Today
Untitled Request
GET http://localhost:9090/eloan-app//clerk/all-applied
Send Save
Params Authorization Headers (6) Body Pre-request Script Tests Settings
Body Cookies Headers (5) Test Results
Status: 200 OK Time: 59 ms Size: 600 B Save Response
Pretty Raw Preview Visualize JSON
"processingDto": null,
"sanctionOutputDto": null,
"status": "0",
"remark": "All Good"
"customerId": 789124,
"loanAppId": 2,
"userDto": null,
"loanDto": null,
"processingDto": null,
"sanctionOutputDto": null,
"status": "0",
"remark": "All Good"
"customerId": 789124,
"loanAppId": 3,
Activate Windows
Go to Settings to activate Windows.
Find and Replace Console
Bootcamp Build Browse
Search for anything
ENG 22:02 06-12-2020

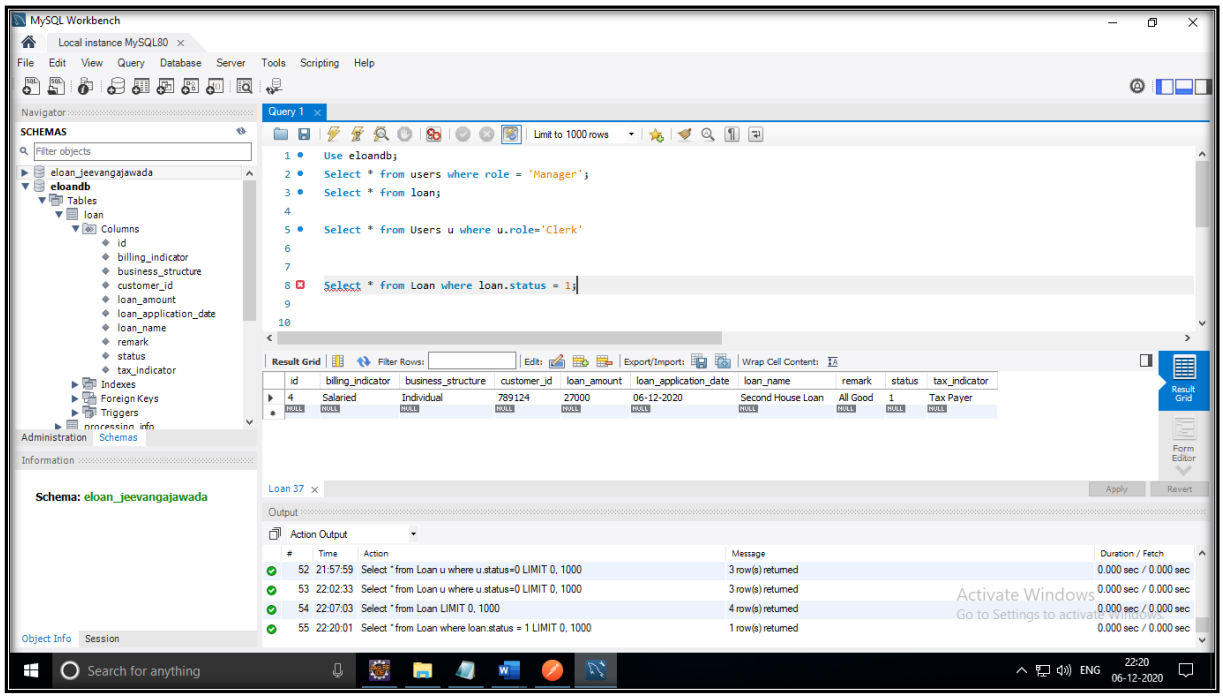

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
eloan_jeevangajawada
eloandb
Tables
loan
Columns
id
billing_indicator
business_structure
customer_id
loan_amount
loan_application_date
loan_name
remark
status
tax_indicator
Indexes
Foreign Keys
Triggers
Administration Schemas
Information
Schema: eloan_jeevangajawada
Object Info Session
Query 1
Limit to 1000 rows
Use eloandb;
Select * from users where role = 'Manager';
Select * from loan;
Select * from Users u where u.role='Clerk'
Result Grid
id billing_indicator business_structure customer_id loan_amount loan_application_date loan_name remark status tax_indicator
1 Salaried Individual 781123 25000 06-12-2020 Home Loan All Good 0 Tax Payer
2 Salaried Individual 789124 25000 06-12-2020 Home Loan All Good 0 Tax Payer
3 Salaried Individual 789124 26000 06-12-2020 Car Loan All Good 0 Tax Payer
Loan 35
Output
Action Output
Time Action Message Duration / Fetch
50 21:56:41 Select * from loan LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec
51 21:57:39 Select * from Loan u where u.status=0 LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec
52 21:57:59 Select * from Loan u where u.status=0 LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
53 22:02:33 Select * from Loan u where u.status=0 LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
Activate Windows
Search for anything
ENG 22:02 06-12-2020

Manager AllProcessed loans

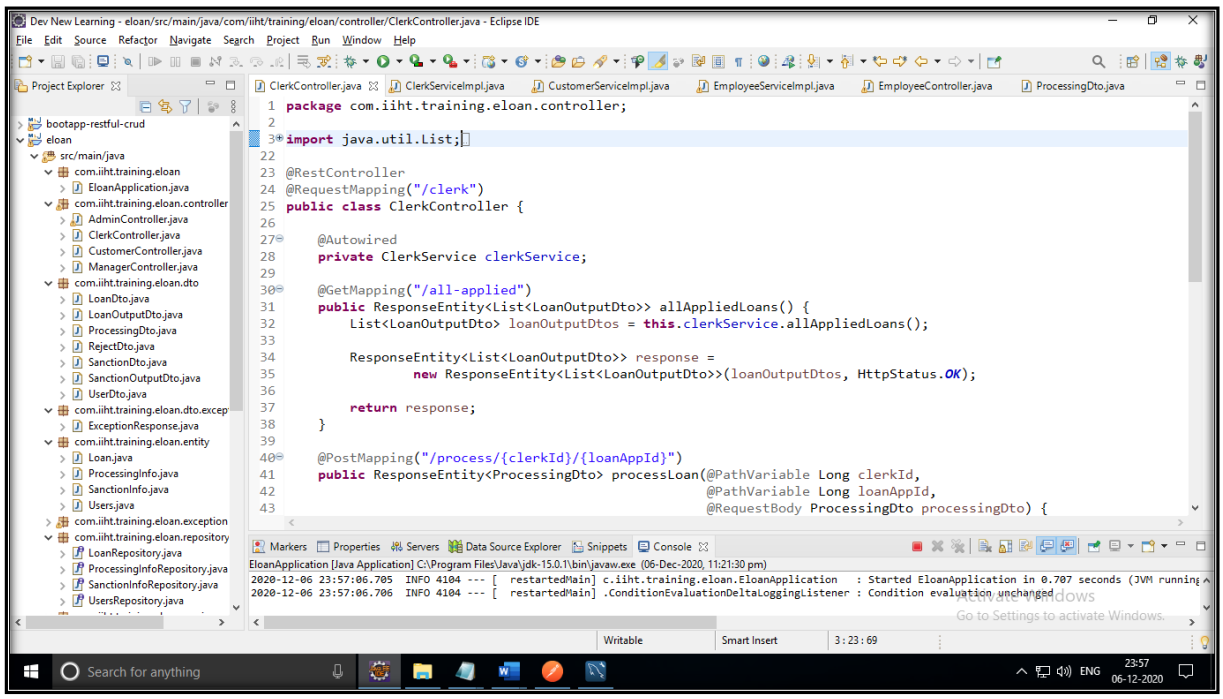


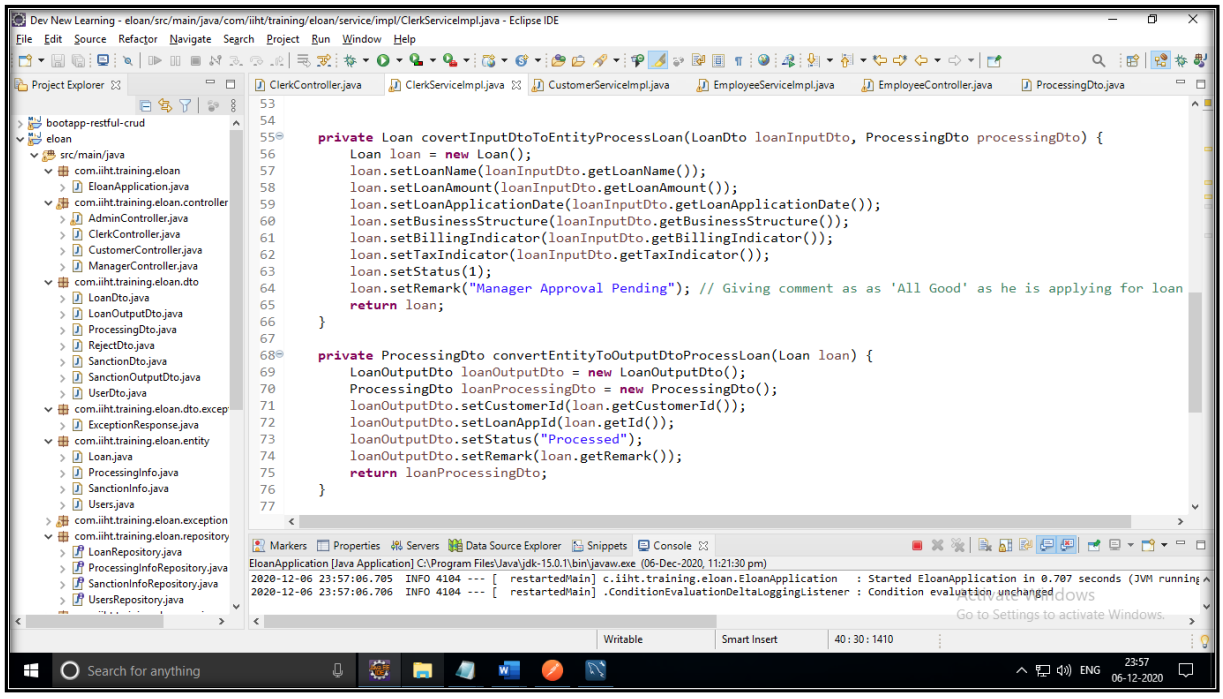


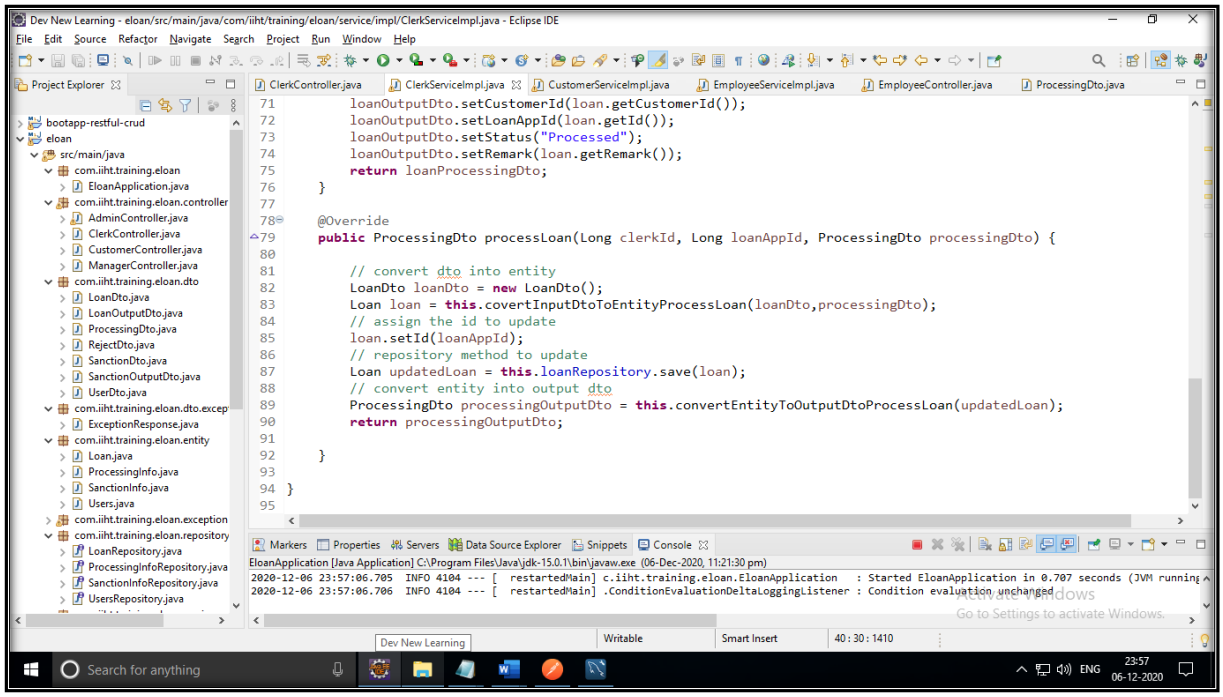

Postman
File Edit View Help
New Import Runner
My Workspace
Invite
Upgrade
History Collections APIs
Save Responses Clear all
Today
Untitled Request
GET http://localhost:9090/eloan-app/manager/all-processed
Send Save
Params Authorization Headers (6) Body Pre-request Script Tests Settings
Body Cookies Headers (5) Test Results
Status: 200 OK Time: 17 ms Size: 310 B Save Response
Pretty Raw Preview Visualize JSON
[
{
"customerId": 789124,
"loanAppId": 4,
"userDto": null,
"loanDto": null,
"processingDto": null,
"sanctionOutputDto": null,
"status": "1",
"remark": "All Good"
}
]
Activate Windows
Go to Settings to activate Windows.
Find and Replace Console
Bootcamp Build Browse
Search for anything
ENG
22:19
06-12-2020


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
eloan_jeevangajawada
eloandb
Tables
loan
Columns
id
billing_indicator
business_structure
customer_id
loan_amount
loan_application_date
loan_name
remark
status
tax_indicator
Indexes
Foreign Keys
Triggers
Administration Schemas
Information
Schema: eloan_jeevangajawada
Object Info Session
Query 1
Use eloandb;
Select * from users where role = 'Manager';
Select * from loan;
Select * from Users u where u.role='Clerk'
Select * from Loan where loan.status = 1;
Result Grid
id billing_indicator business_structure customer_id loan_amount loan_application_date loan_name remark status tax_indicator
4 Salaried Individual 789124 27000 06-12-2020 Second House Loan All Good 1 Tax Payer
Loan 37
Output
Action Output
Time Action Message Duration / Fetch
52 21:57:59 Select * from Loan u where u.status=0 LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
53 22:02:33 Select * from Loan u where u.status=0 LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
54 22:07:03 Select * from Loan LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec
55 22:20:01 Select * from Loan where loan.status = 1 LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
Activate Windows
Go to Settings to activate Windows.
Search for anything
ENG
22:20
06-12-2020

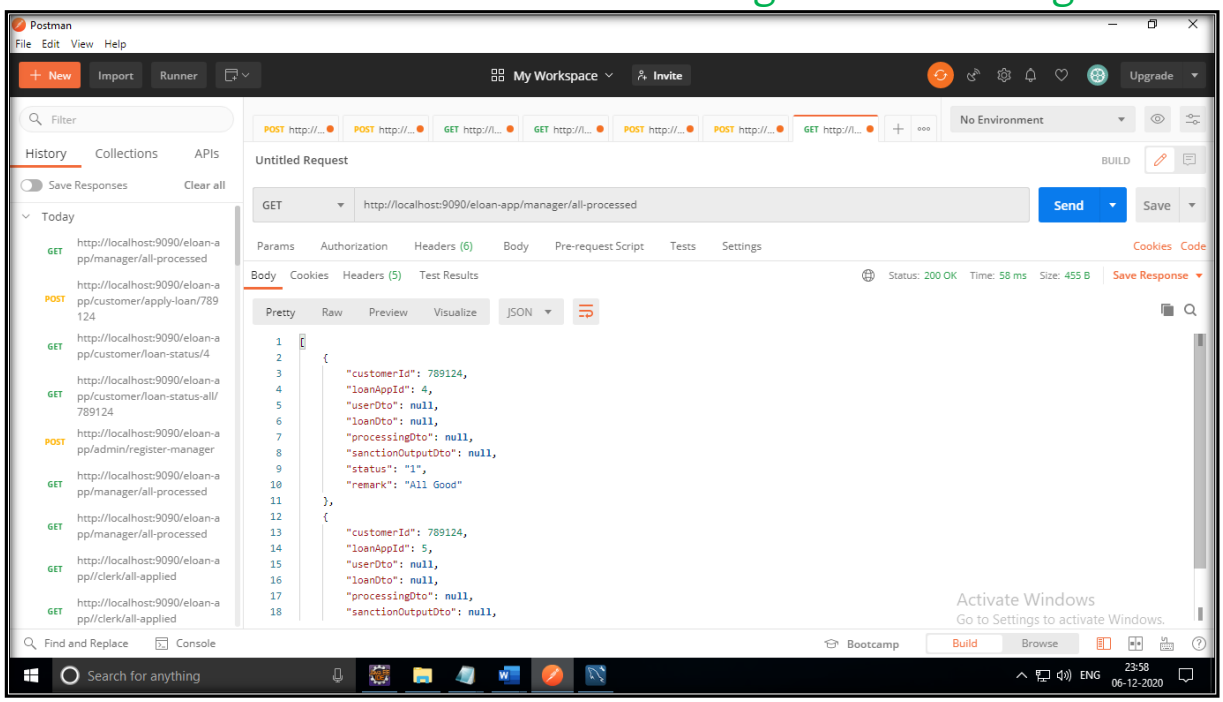
Now added the code for Sanction and Processing to the Output

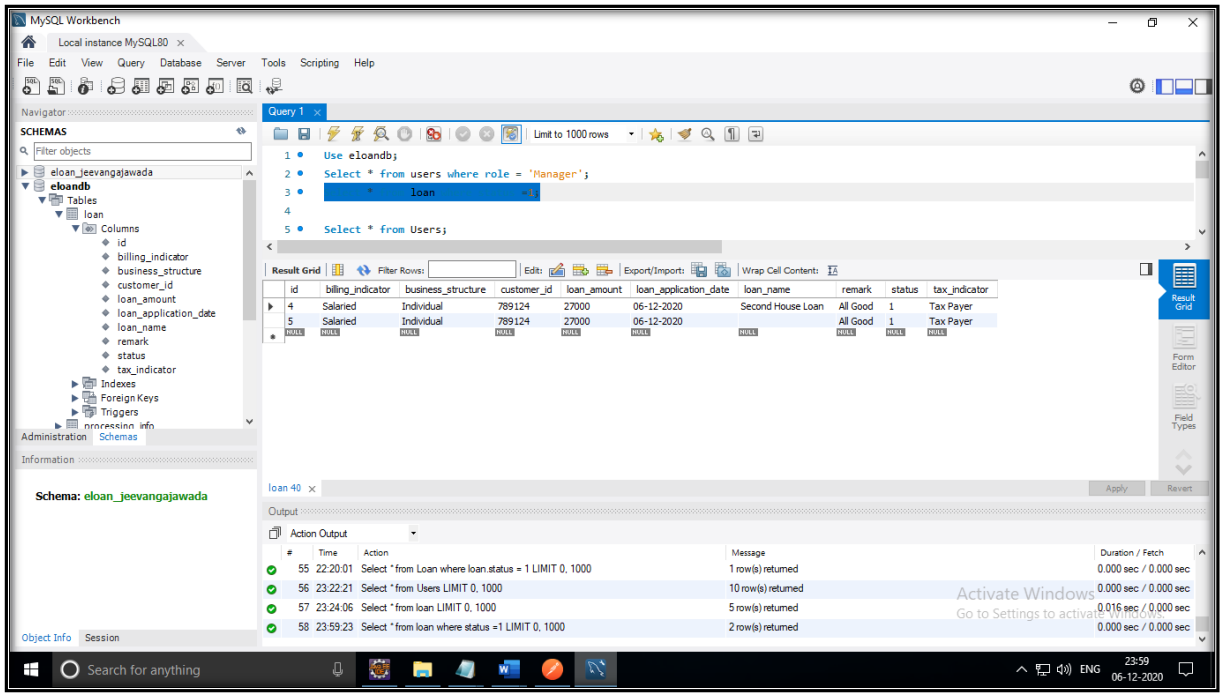






After execution 2 records moved to Manager for Processing





The below implementations are pending. Because of lack of time, it is pending but other that the complete implementation of project is completed 100%