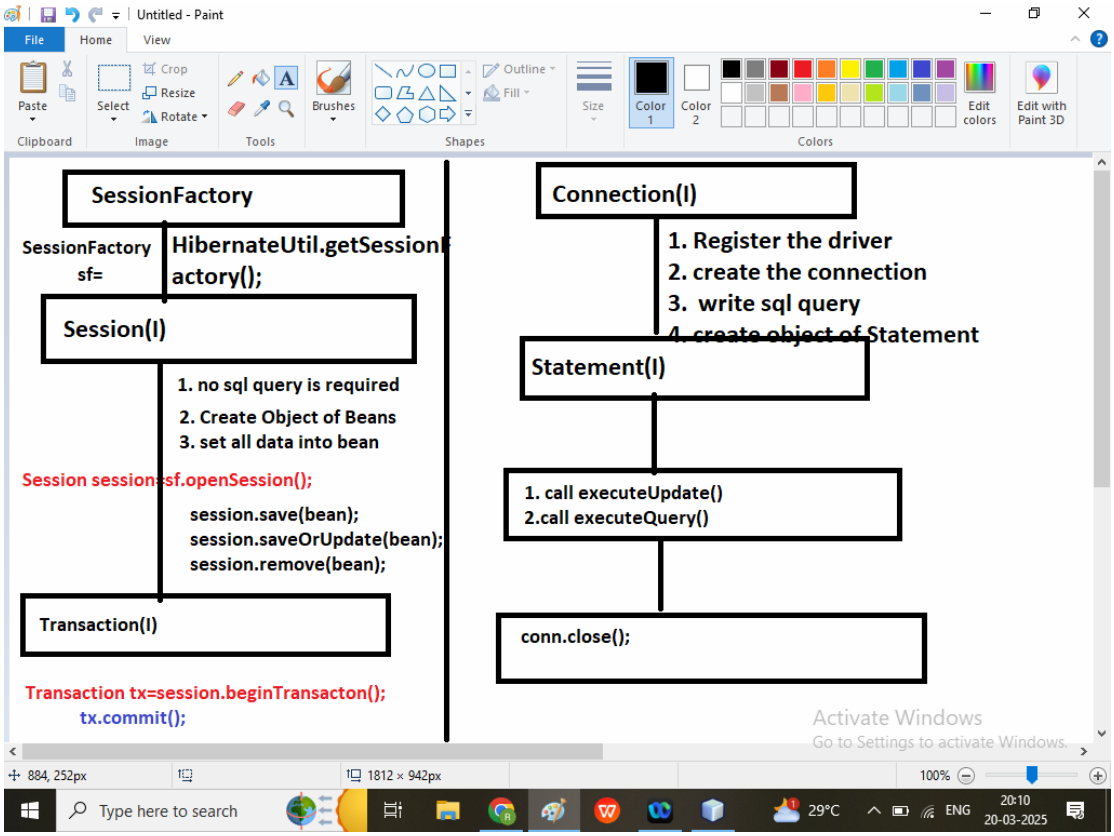


Step1: Create database in mysql by the name march20

Step2: Create student Table

Sid

Name

Enroll

P

C

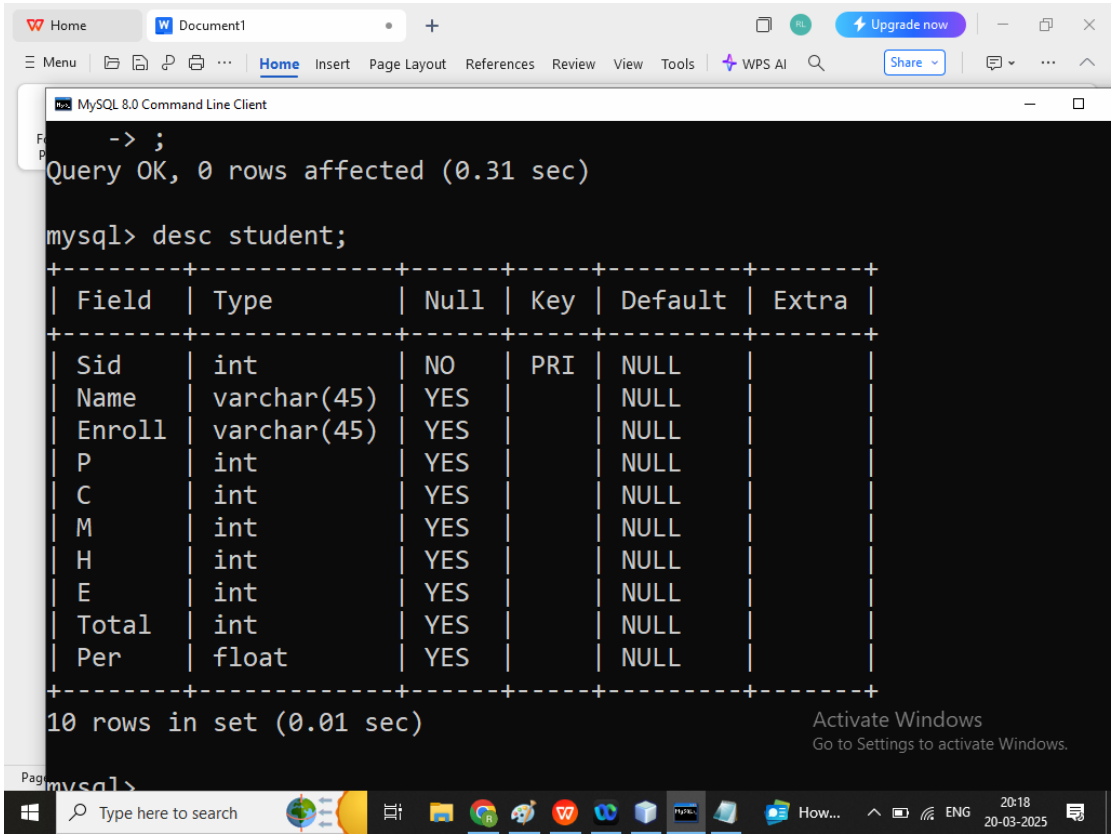
M

H

E

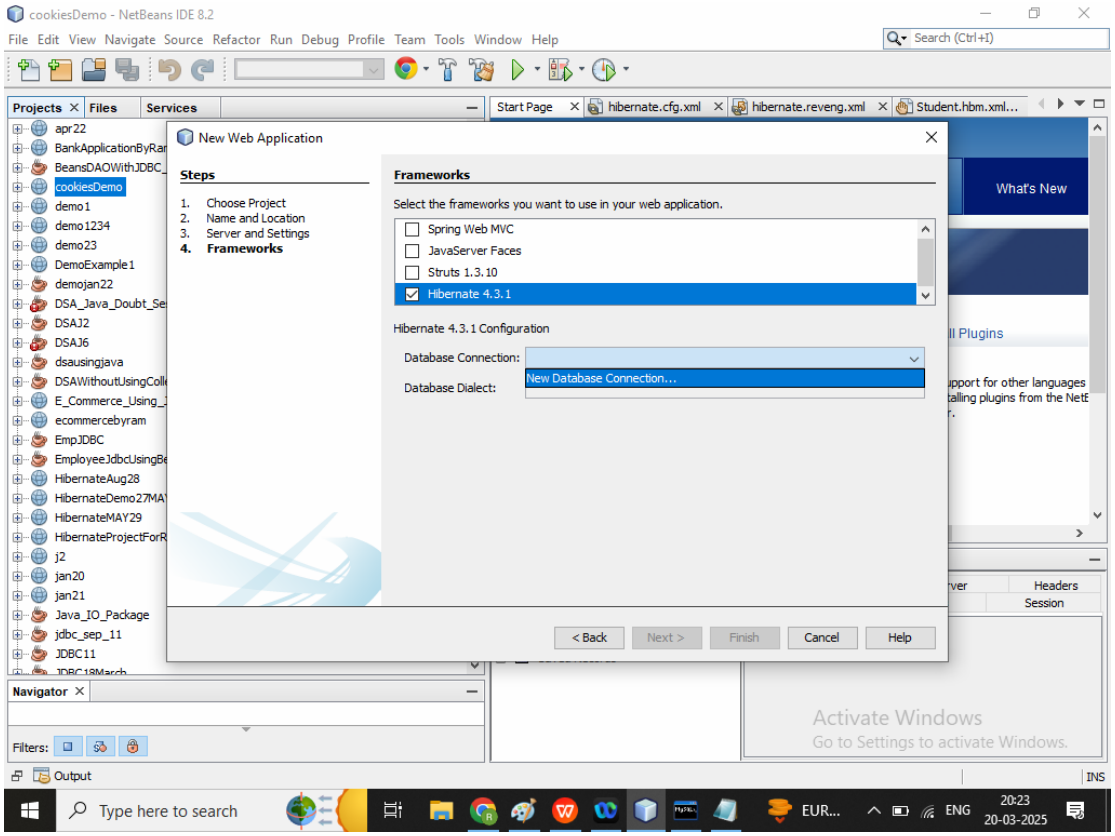
Total

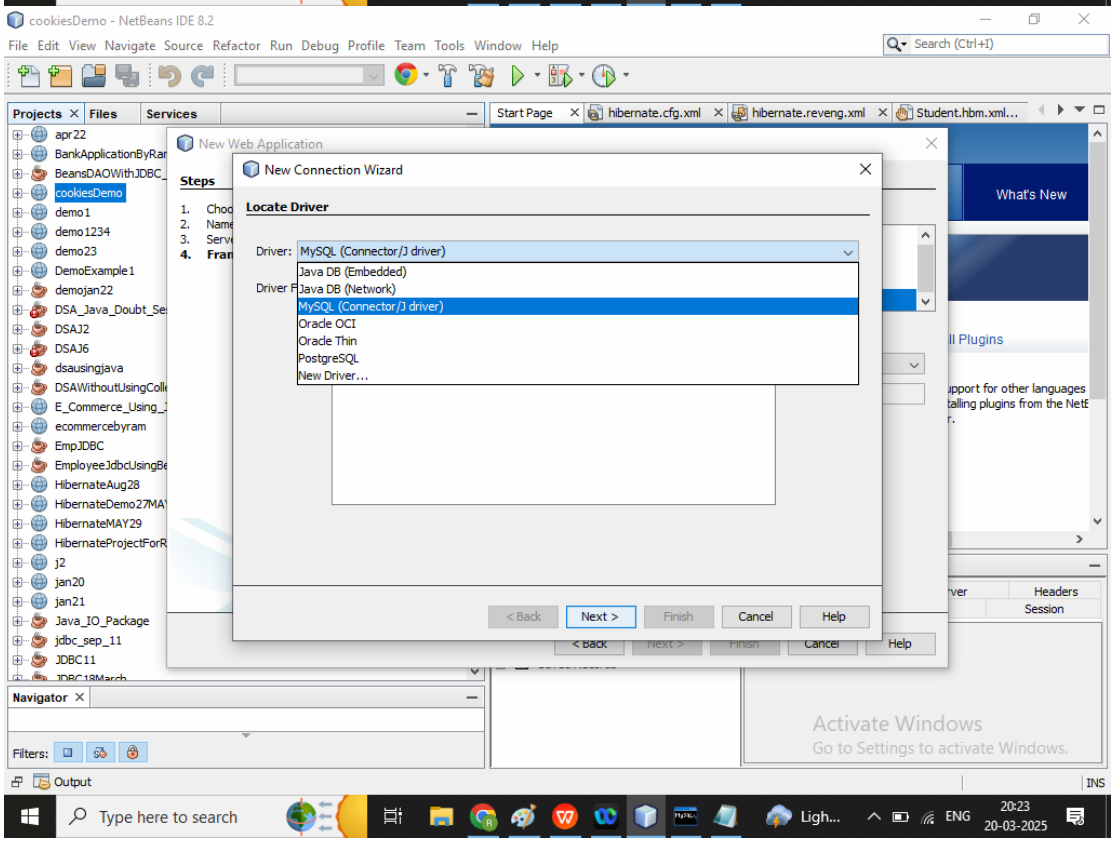
Per

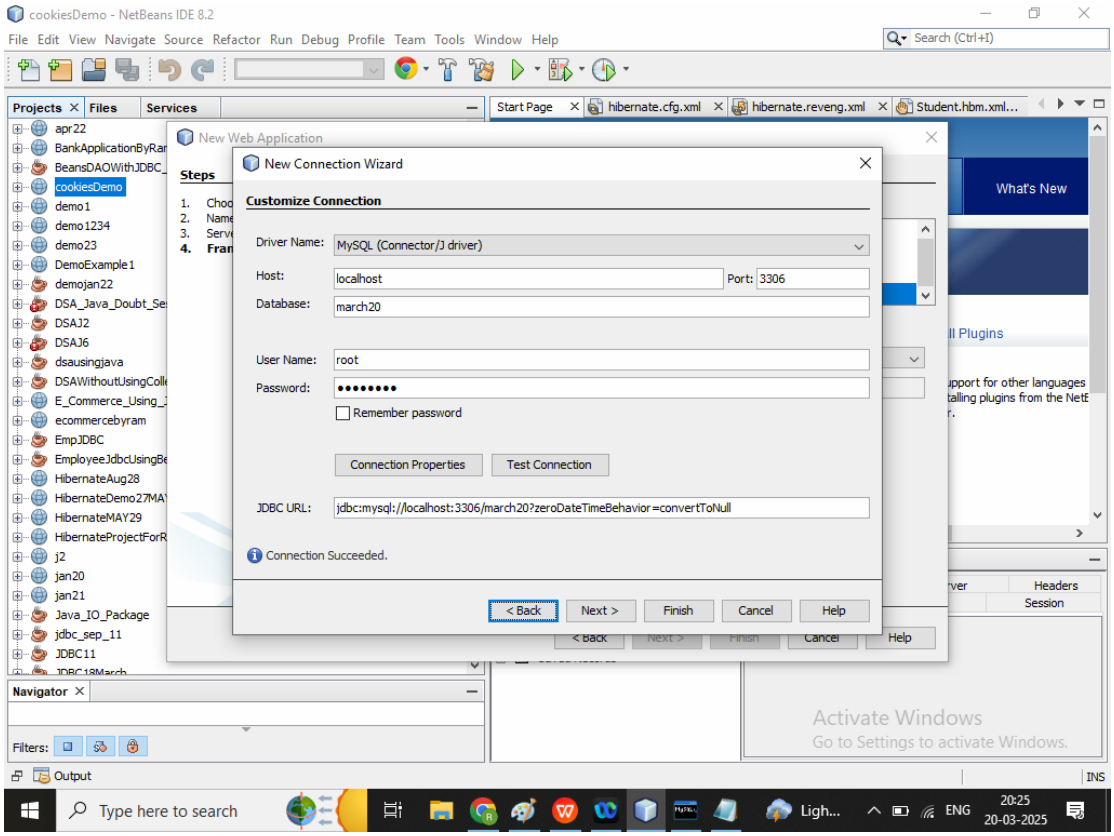


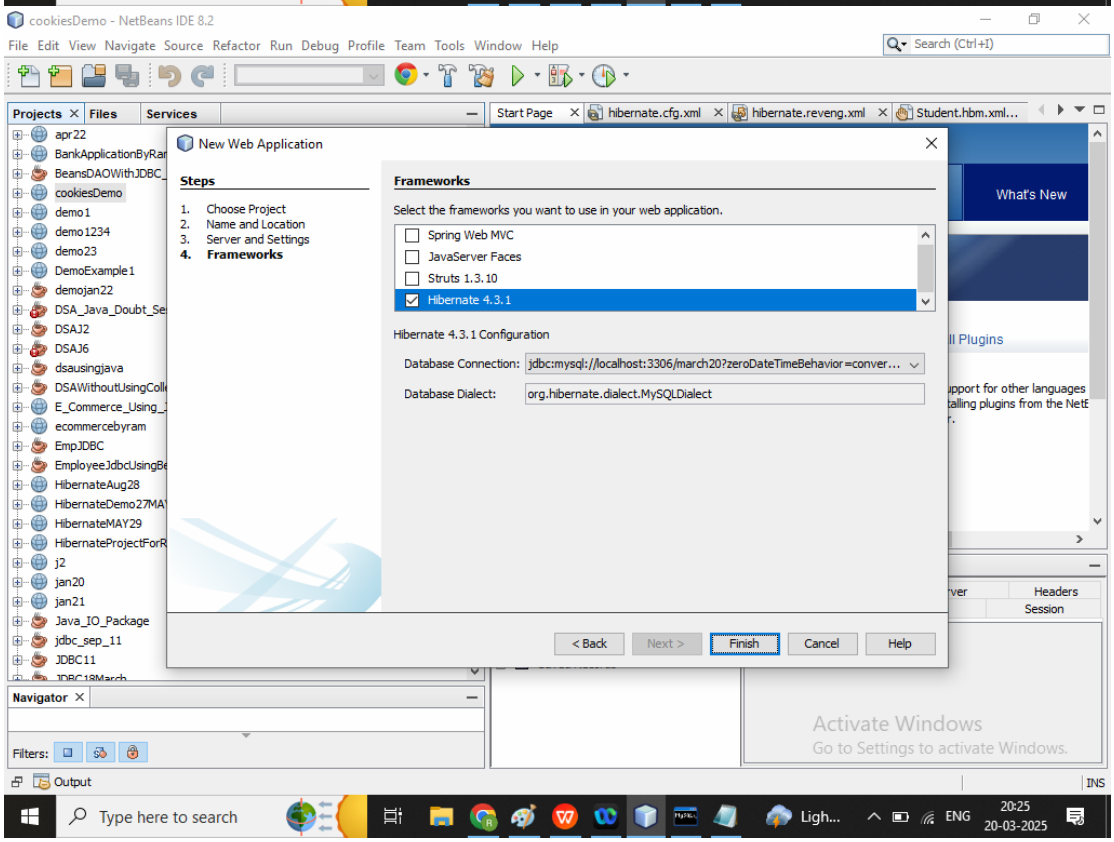
create table student(
Sid int primary key,
Name varchar(45),
Enroll varchar(45),
P int,
C int,
M int,
H int,
E int,
Total int,
Per float)

Step3: Create Web Project with Hibernate


cookiesDemo - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
Start Page
hibernate.cfg.xml
hibernate.reveng.xml
Student.hbm.xml...
New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Frameworks
Select the frameworks you want to use in your web application.
Spring Web MVC
JavaServer Faces
Struts 1.3.10
Hibernate 4.3.1
Hibernate 4.3.1 Configuration
Database Connection:
Database Dialect:
New Database Connection...
< Back
Next >
Finish
Cancel
Help
What's New
Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
20:23
20-03-2025


cookiesDemo - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
Start Page
hibernate.cfg.xml
hibernate.reveng.xml
Student.hbm.xml...
New Web Application
New Connection Wizard
Locate Driver
Driver:
MySQL (Connector/J driver)
Java DB (Embedded)
Java DB (Network)
MySQL (Connector/J driver)
Oracle OCI
Oracle Thin
PostgreSQL
New Driver...
< Back
Next >
Finish
Cancel
Help
What's New
Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
20:23
20-03-2025


cookiesDemo - NetBeans IDE 8.2
New Web Application
New Connection Wizard
Customize Connection
Driver Name: MySQL (Connector/J driver)
Host: localhost
Port: 3306
Database: march20
User Name: root
Password: ••••••••
Remember password
Connection Properties
Test Connection
JDBC URL: jdbc:mysql://localhost:3306/march20?zeroDateTimeBehavior=convertToNull
Connection Succeeded.
< Back
Next >
Finish
Cancel
Help


cookiesDemo - NetBeans IDE 8.2
New Web Application
Steps
1. Choose Project
2. Name and Location
3. Server and Settings
4. Frameworks
Frameworks
Select the frameworks you want to use in your web application.
Spring Web MVC
JavaServer Faces
Struts 1.3.10
Hibernate 4.3.1
Hibernate 4.3.1 Configuration
Database Connection: jdbc:mysql://localhost:3306/march20?zeroDateTimeBehavior=conver...
Database Dialect: org.hibernate.dialect.MySQLDialect
< Back
Next >
Finish
Cancel
Help

Paste hibernate.cfg.xml(if configuration is blank)

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
"http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">
<!--
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However, if you add GPL Version 2 code and therefore, elected the GPL
Version 2 license, then the option applies only if the new code is
made subject to such option by the copyright holder.

Contributor(s):
-->
<hibernate-configuration>
  <session-factory>
    <property name="hibernate.dialect">org.hibernate.dialect.MySQLDialect</property>
    <property name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</property>
    <property
name="hibernate.connection.url">jdbc:mysql://localhost:3306/march20?zeroDateTimeBehavior=con
vertToNull</property>
    <property name="hibernate.connection.username">root</property>
    <property name="hibernate.connection.password">Ram@1234</property>
  </session-factory>
</hibernate-configuration>
```
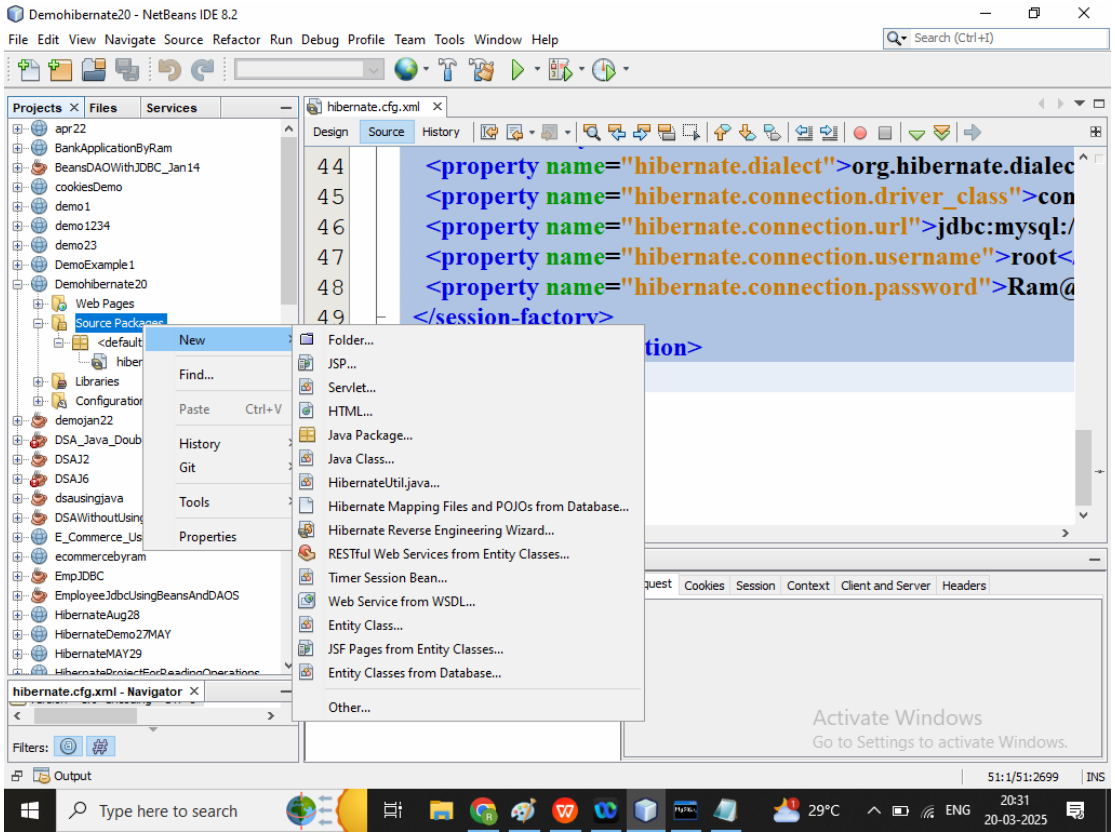
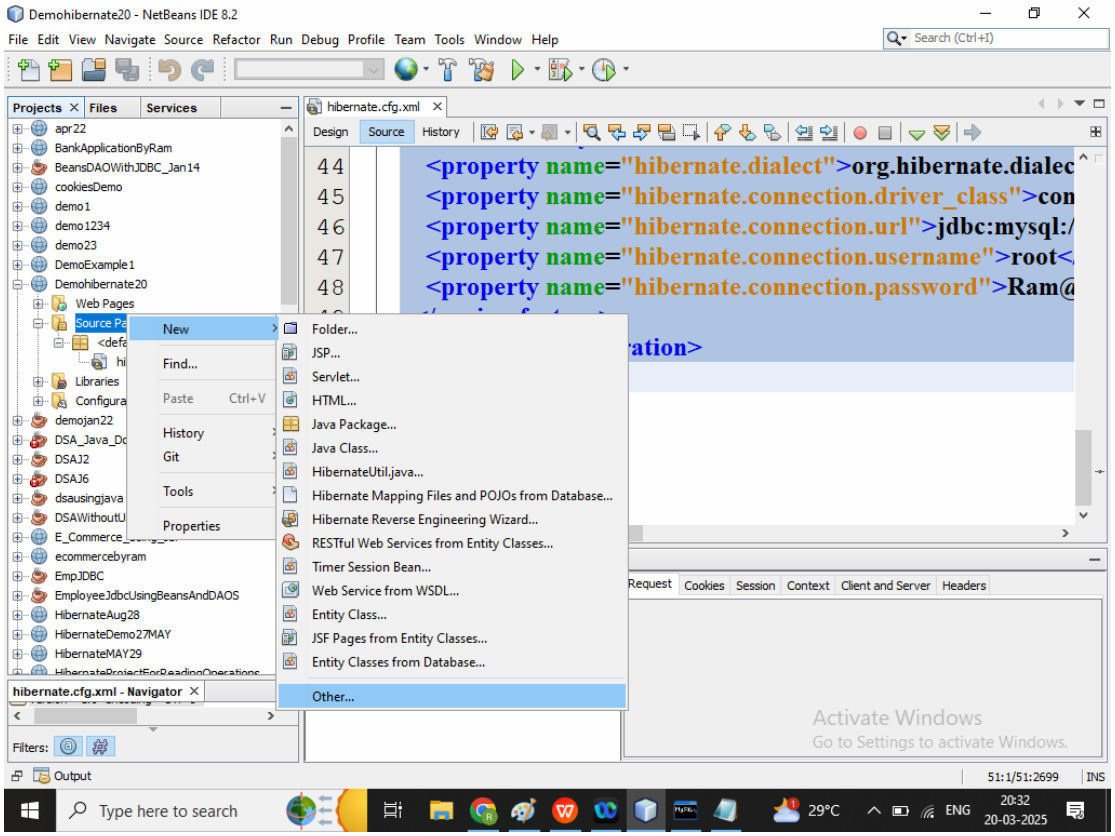
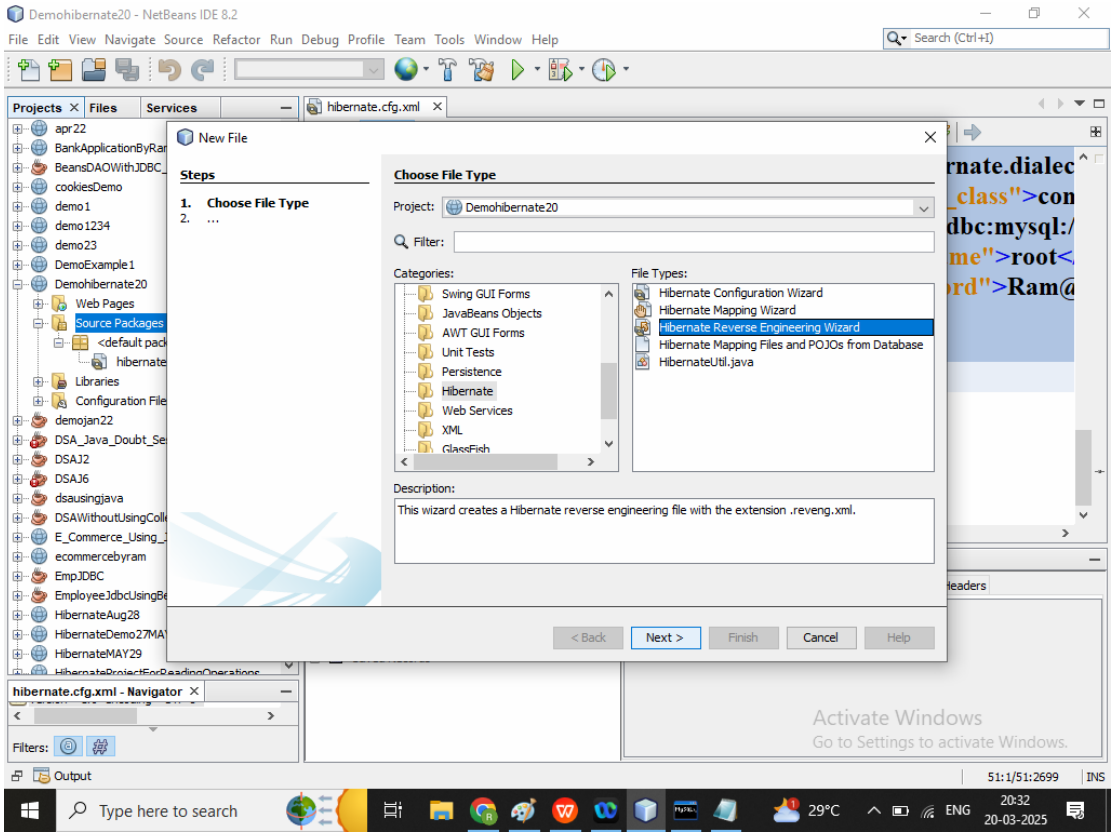
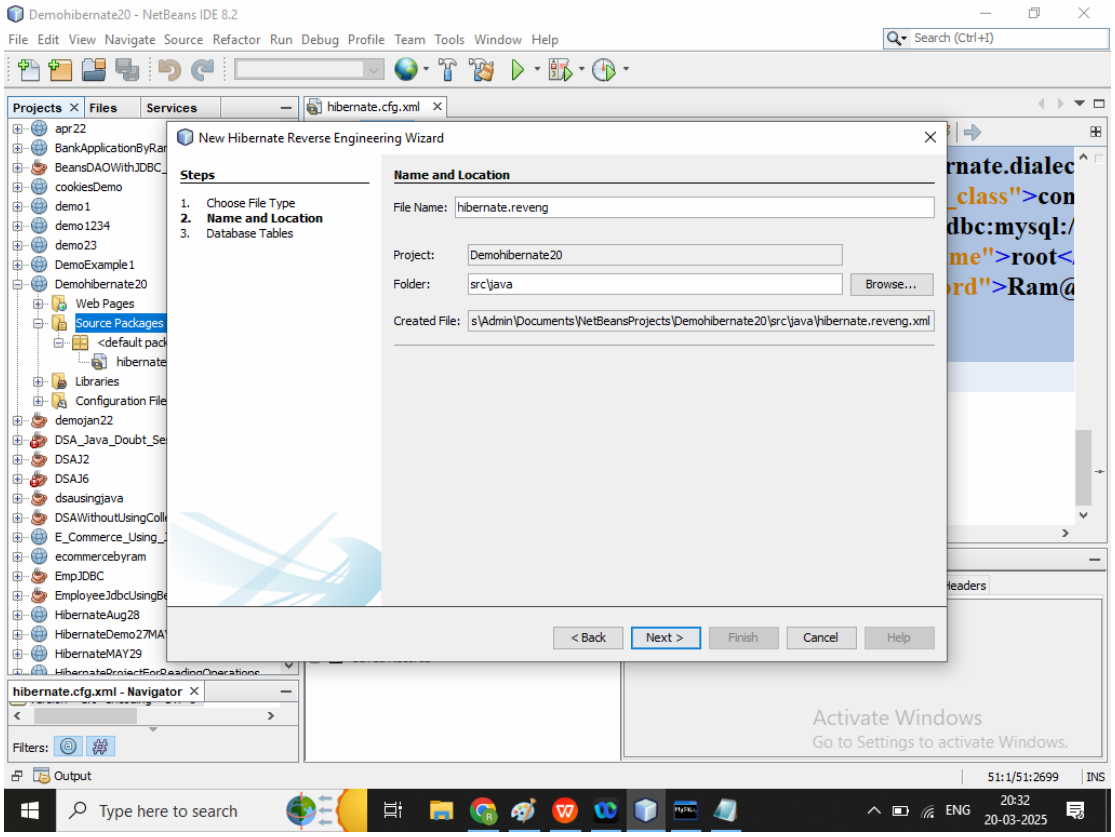
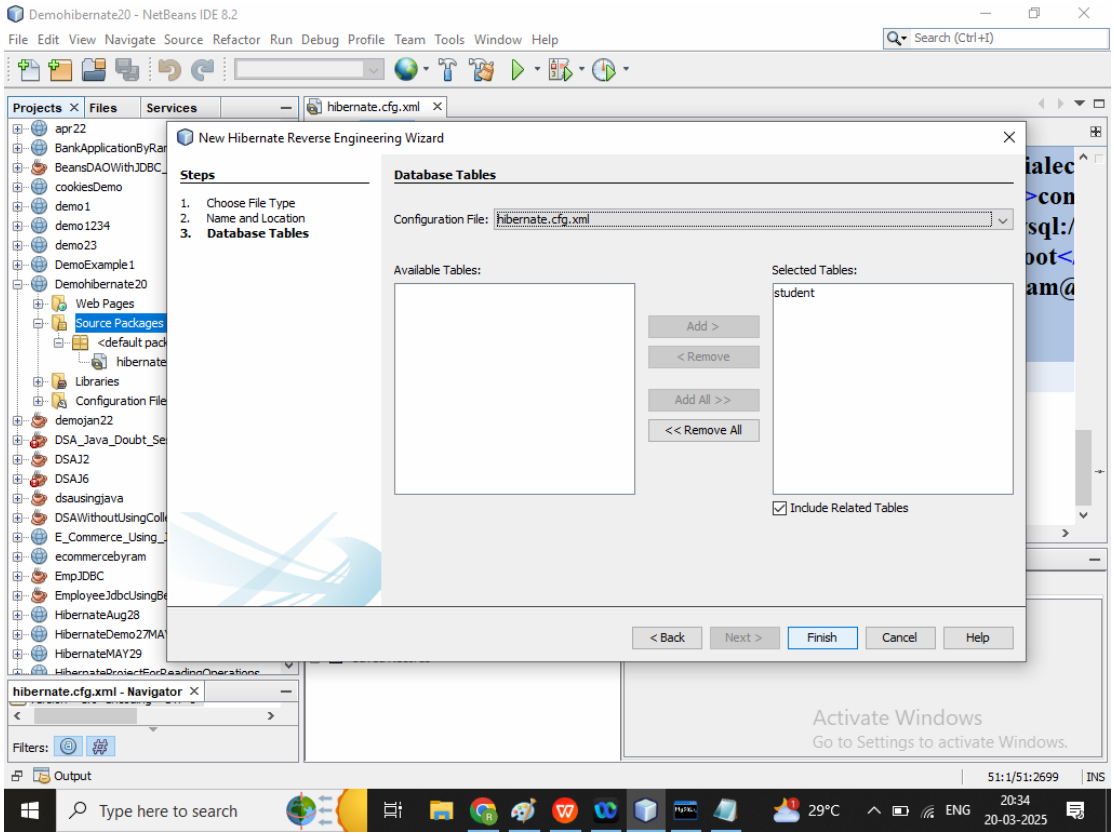

Step4: Create a Reverse Engineering file(mapping all database tables)


Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects Files Services
hibernate.cfg.xml
Design Source History
<property name="hibernate.dialect">org.hibernate.dialec
<property name="hibernate.connection.driver_class">con
<property name="hibernate.connection.url">jdbc:mysql:/
<property name="hibernate.connection.username">root<
<property name="hibernate.connection.password">Ram@
</session-factory>
New
Find...
Paste Ctrl+V
History
Git
Tools
Properties
Folder...
JSP...
Servlet...
HTML...
Java Package...
Java Class...
HibernateUtil.java...
Hibernate Mapping Files and POJOs from Database...
Hibernate Reverse Engineering Wizard...
RESTful Web Services from Entity Classes...
Timer Session Bean...
Web Service from WSDL...
Entity Class...
JSF Pages from Entity Classes...
Entity Classes from Database...
Other...
Request Cookies Session Context Client and Server Headers
hibernate.cfg.xml - Navigator
Filters:
Output
51:1/51:2699 INS
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
ENG
20:31
20-03-2025

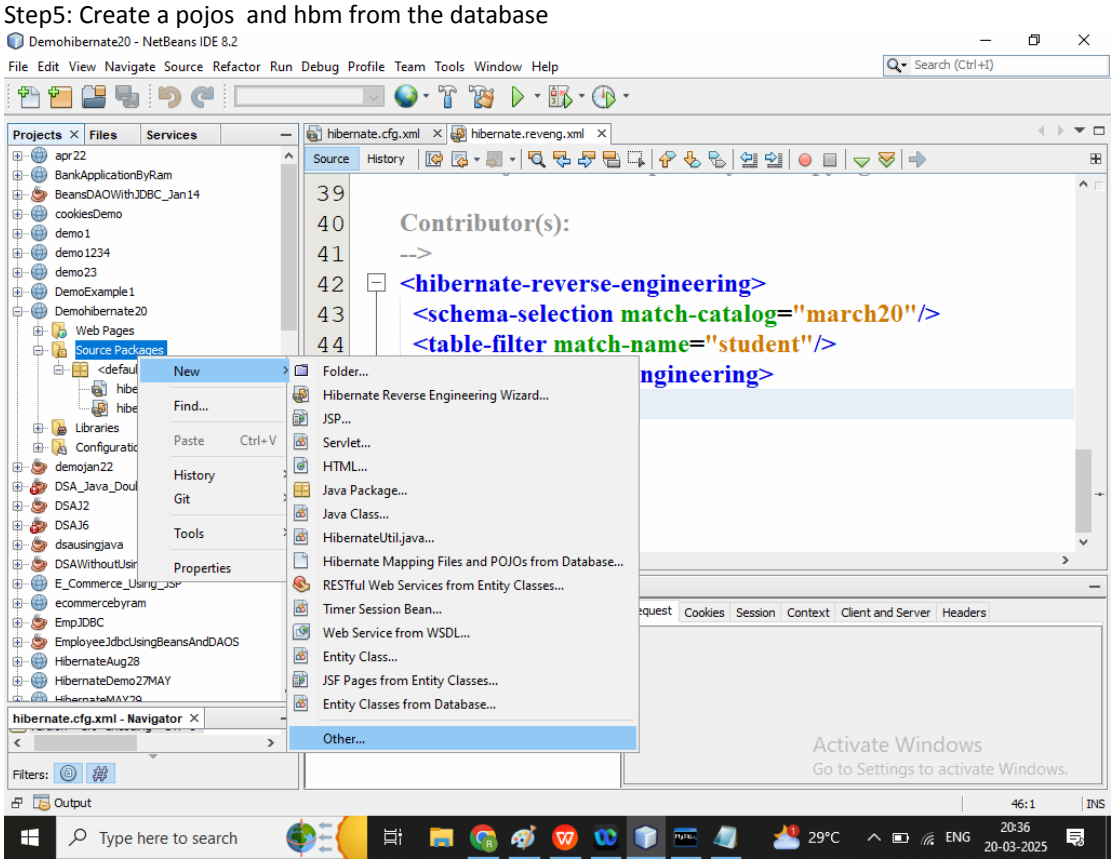

Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects Files Services
hibernate.cfg.xml
Design Source History
<property name="hibernate.dialect">org.hibernate.dialec
<property name="hibernate.connection.driver_class">con
<property name="hibernate.connection.url">jdbc:mysql:/
<property name="hibernate.connection.username">root<
<property name="hibernate.connection.password">Ram@
New
Find...
Paste Ctrl+V
History
Git
Tools
Properties
Folder...
JSP...
Servlet...
HTML...
Java Package...
Java Class...
HibernateUtil.java...
Hibernate Mapping Files and POJOs from Database...
Hibernate Reverse Engineering Wizard...
RESTful Web Services from Entity Classes...
Timer Session Bean...
Web Service from WSDL...
Entity Class...
JSF Pages from Entity Classes...
Entity Classes from Database...
Other...
Request Cookies Session Context Client and Server Headers
hibernate.cfg.xml - Navigator
Filters:
Output
51:1/51:2699 INS
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
ENG
20:32
20-03-2025

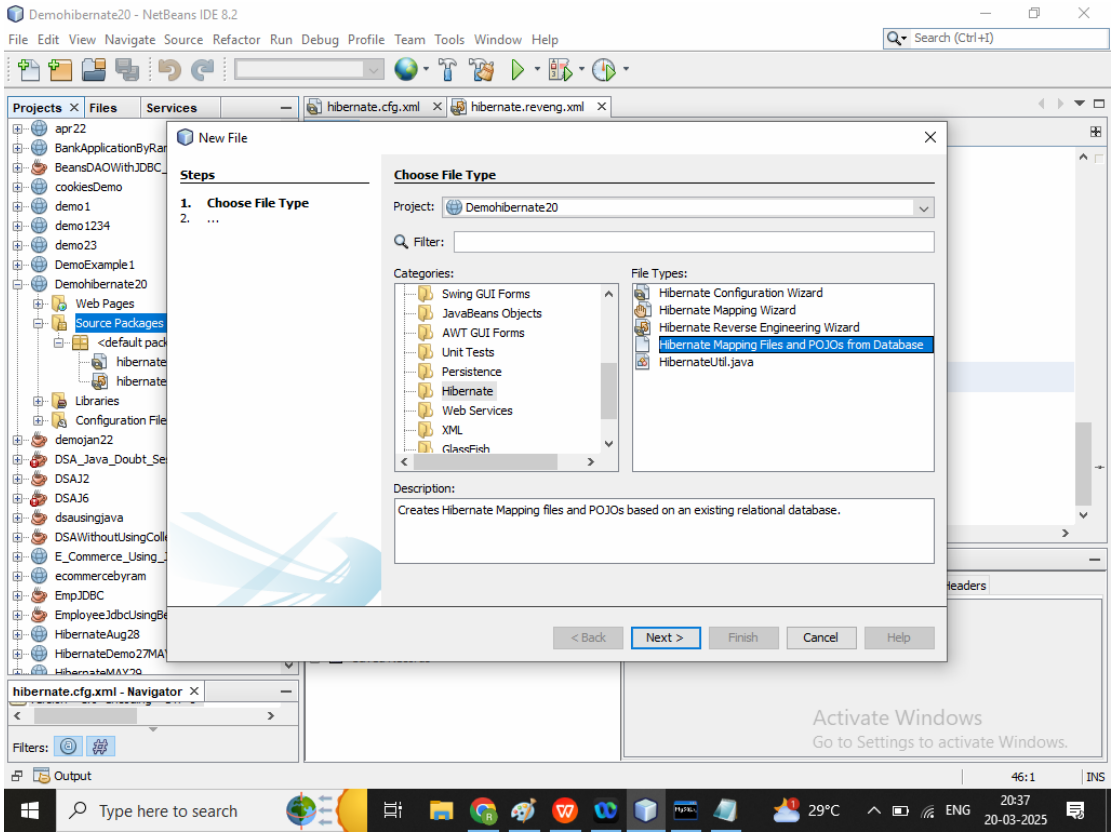

Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project: Demohibernate20
Filter:
Categories:
Swing GUI Forms
JavaBeans Objects
AWT GUI Forms
Unit Tests
Persistence
Hibernate
Web Services
XML
File Types:
Hibernate Configuration Wizard
Hibernate Mapping Wizard
Hibernate Reverse Engineering Wizard
Hibernate Mapping Files and POJOs from Database
HibernateUtil.java
Description:
This wizard creates a Hibernate reverse engineering file with the extension .reveng.xml.
< Back
Next >
Finish
Cancel
Help
hibernate.cfg.xml - Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
51:1/51:2699
INS
Type here to search
29°C
ENG
20:32
20-03-2025

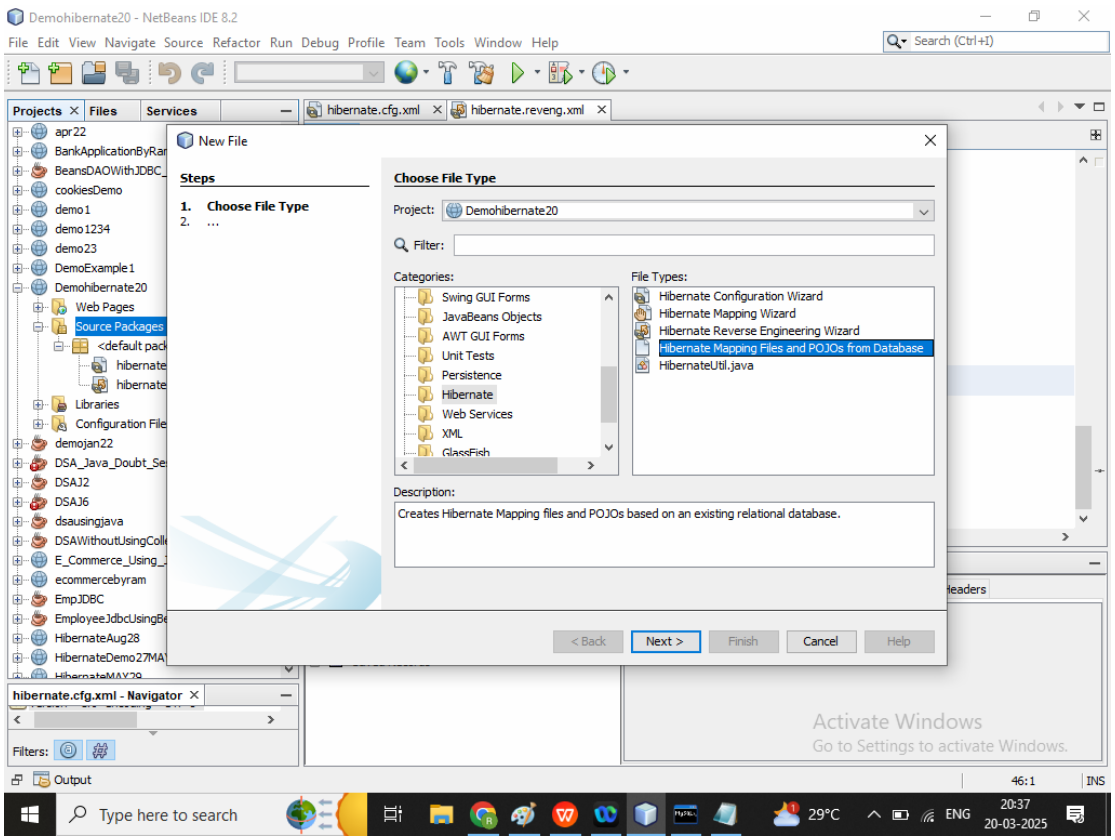

Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
New Hibernate Reverse Engineering Wizard
Steps
1. Choose File Type
2. Name and Location
3. Database Tables
Name and Location
File Name: hibernate.reveng
Project: Demohibernate20
Folder: src\java
Browse...
Created File: s\Admin\Documents\NetBeansProjects\Demohibernate20\src\java\hibernate.reveng.xml
< Back
Next >
Finish
Cancel
Help
hibernate.cfg.xml - Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
51:1/51:2699
INS
Type here to search
ENG
20:32
20-03-2025

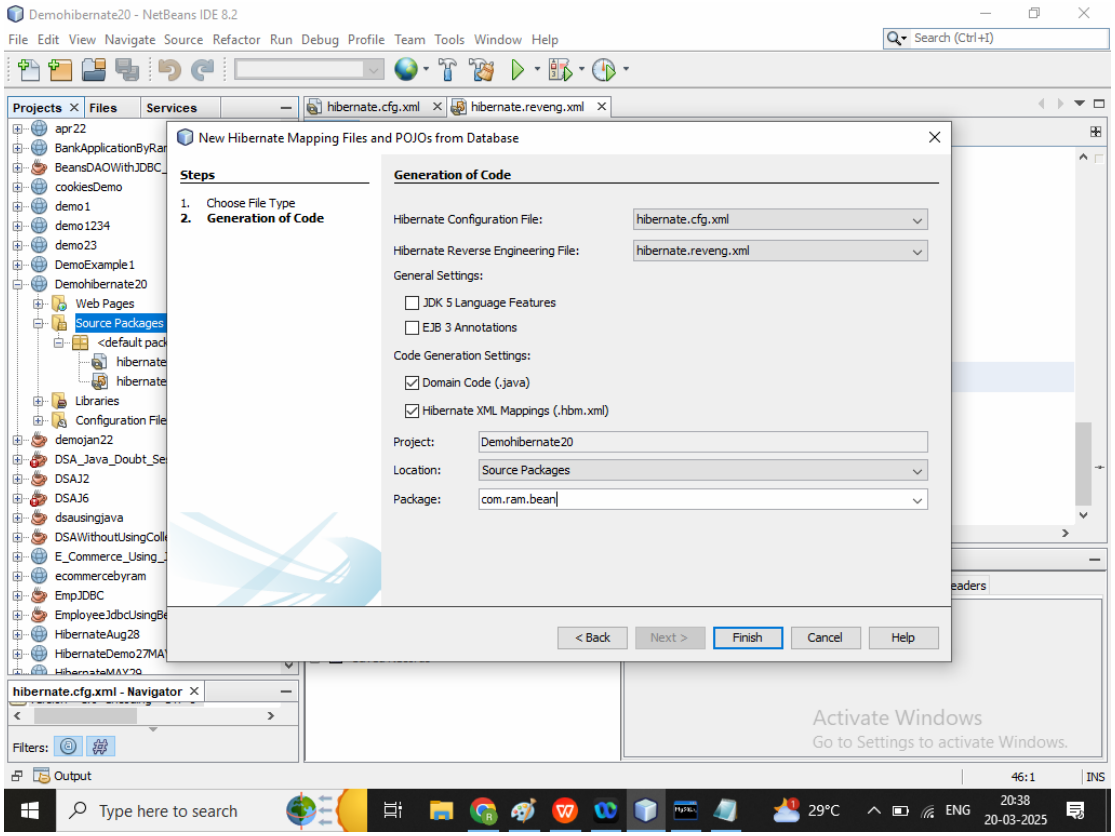


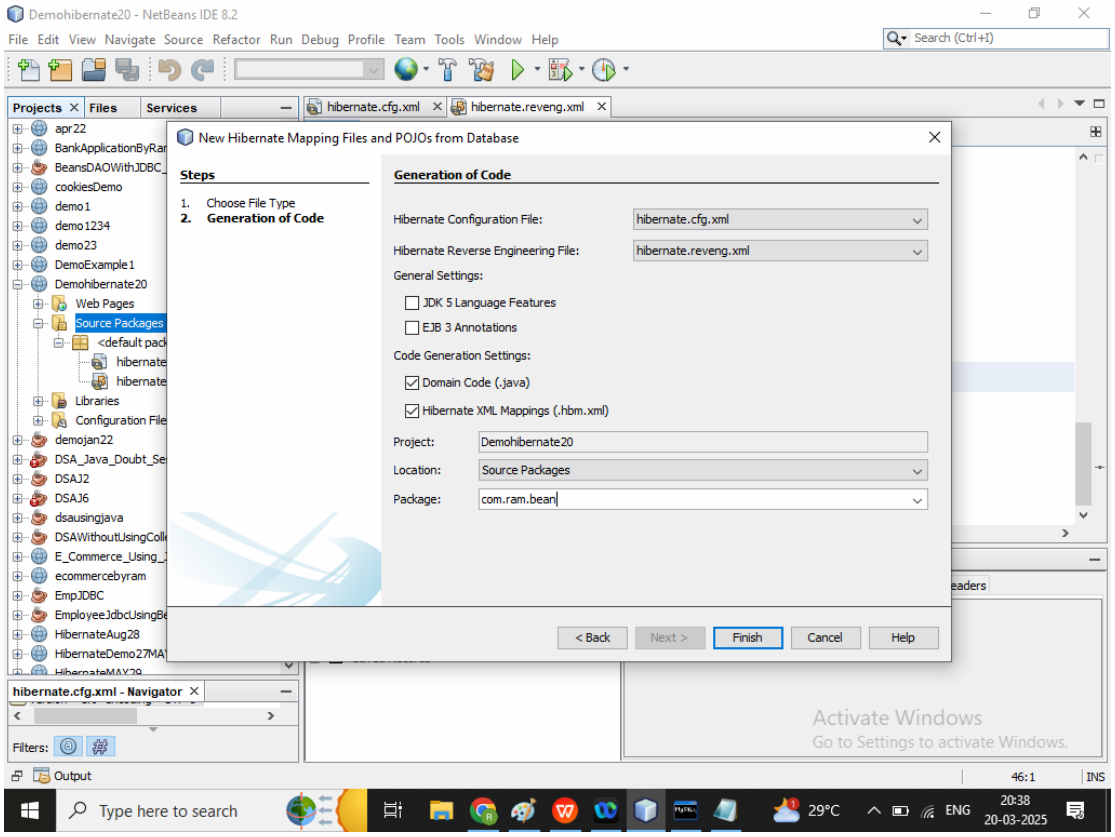
Step5: Create a pojos and hbm from the database



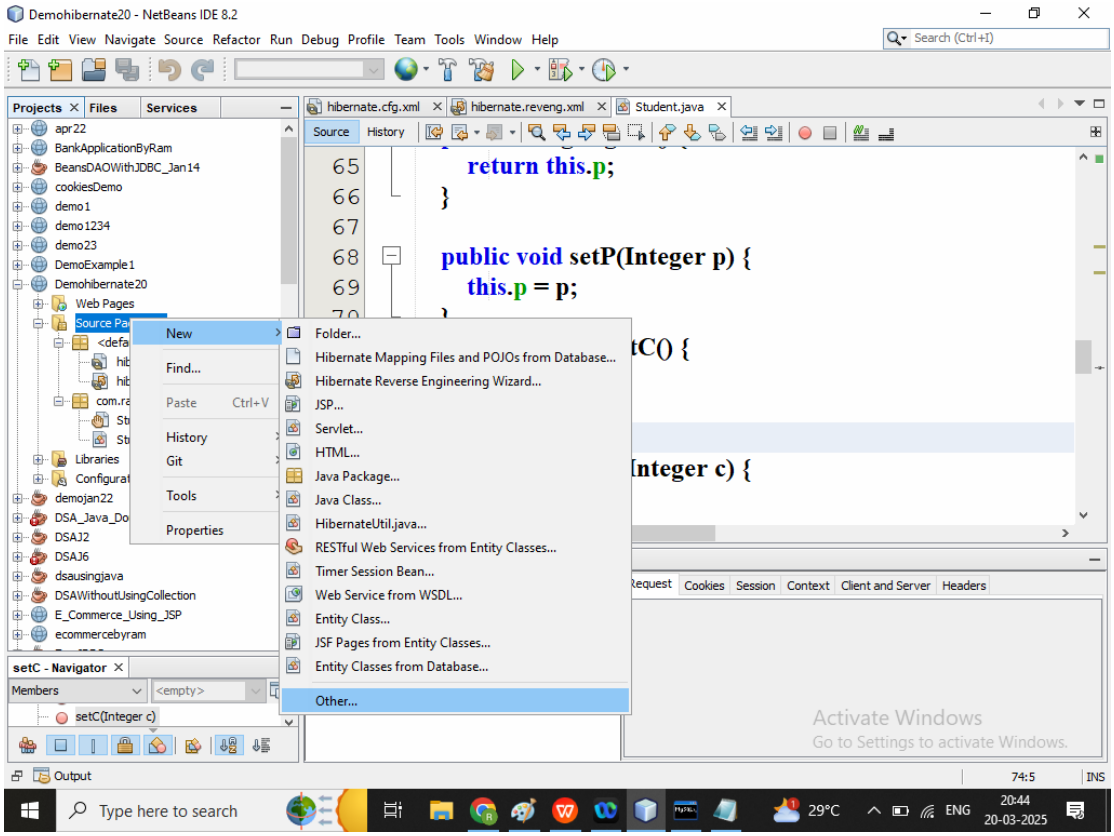

Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
hibernate.reveng.xml
New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project: Demohibernate20
Filter:
Categories:
Swing GUI Forms
JavaBeans Objects
AWT GUI Forms
Unit Tests
Persistence
Hibernate
Web Services
XML
File Types:
Hibernate Configuration Wizard
Hibernate Mapping Wizard
Hibernate Reverse Engineering Wizard
Hibernate Mapping Files and POJOs from Database
HibernateUtil.java
Description:
Creates Hibernate Mapping files and POJOs based on an existing relational database.
< Back
Next >
Finish
Cancel
Help
hibernate.cfg.xml - Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
46:1
INS
Type here to search
29°C
ENG
20:37
20-03-2025

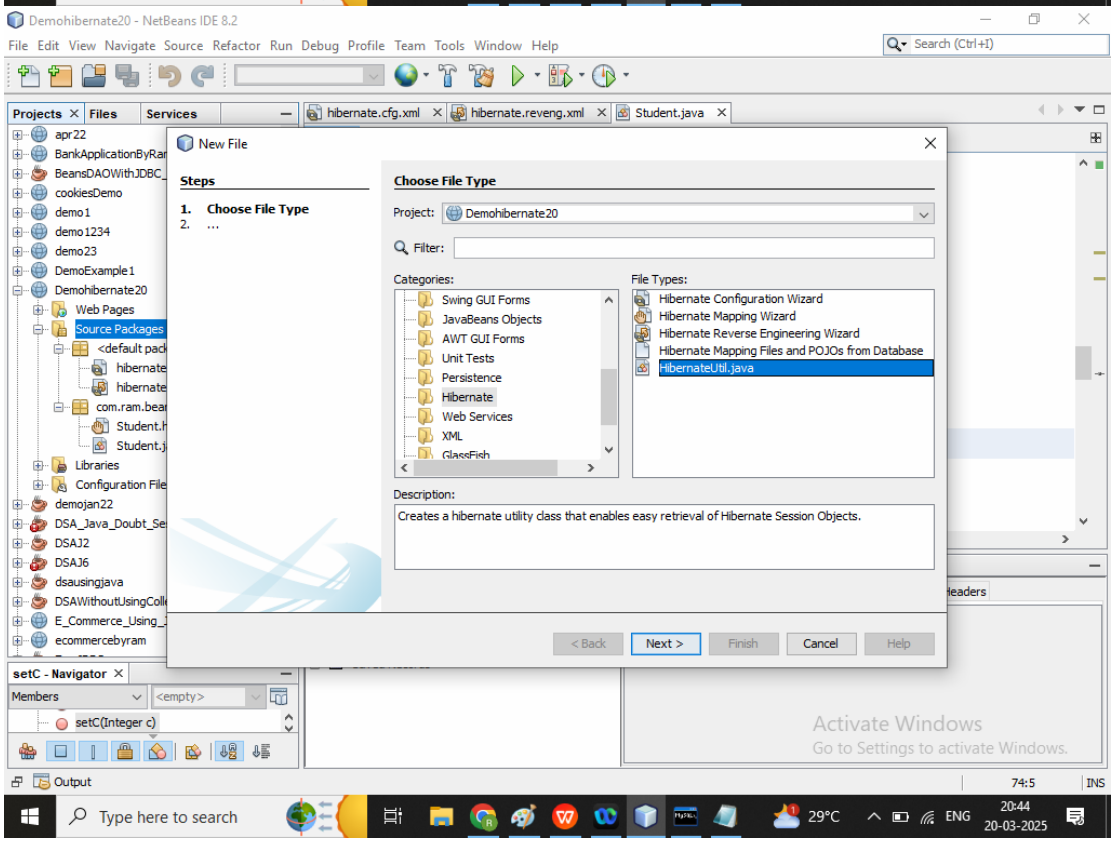

Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
hibernate.reveng.xml
New File
Steps
1. Choose File Type
2. ...
Choose File Type
Project: Demohibernate20
Filter:
Categories:
Swing GUI Forms
JavaBeans Objects
AWT GUI Forms
Unit Tests
Persistence
Hibernate
Web Services
XML
File Types:
Hibernate Configuration Wizard
Hibernate Mapping Wizard
Hibernate Reverse Engineering Wizard
Hibernate Mapping Files and POJOs from Database
HibernateUtil.java
Description:
Creates Hibernate Mapping files and POJOs based on an existing relational database.
< Back
Next >
Finish
Cancel
Help
hibernate.cfg.xml - Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
46:1
INS
Type here to search
29°C
ENG
20:37
20-03-2025

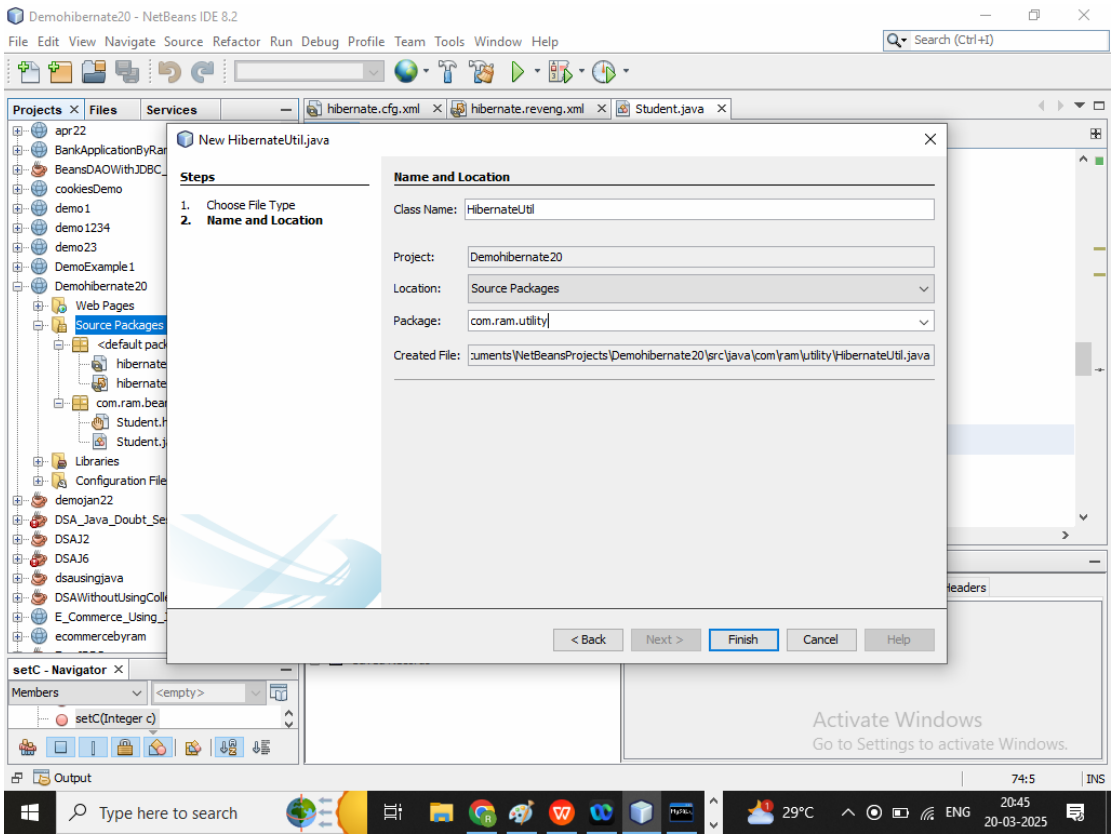

Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
hibernate.reveng.xml
New Hibernate Mapping Files and POJOs from Database
Steps
1. Choose File Type
2. Generation of Code
Generation of Code
Hibernate Configuration File:
hibernate.cfg.xml
Hibernate Reverse Engineering File:
hibernate.reveng.xml
General Settings:
JDK 5 Language Features
EJB 3 Annotations
Code Generation Settings:
Domain Code (.java)
Hibernate XML Mappings (.hbm.xml)
Project:
Demohibernate20
Location:
Source Packages
Package:
com.ram.bean
< Back
Next >
Finish
Cancel
Help
hibernate.cfg.xml - Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
46:1
INS
Type here to search
29°C
ENG
20:38
20-03-2025


Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
hibernate.reveng.xml
New Hibernate Mapping Files and POJOs from Database
Steps
1. Choose File Type
2. Generation of Code
Generation of Code
Hibernate Configuration File:
hibernate.cfg.xml
Hibernate Reverse Engineering File:
hibernate.reveng.xml
General Settings:
JDK 5 Language Features
EJB 3 Annotations
Code Generation Settings:
Domain Code (.java)
Hibernate XML Mappings (.hbm.xml)
Project:
Demohibernate20
Location:
Source Packages
Package:
com.ram.bean
< Back
Next >
Finish
Cancel
Help
hibernate.cfg.xml - Navigator
Filters:
Output
Activate Windows
Go to Settings to activate Windows.
46:1
INS
Type here to search
29°C
ENG
20:38
20-03-2025

Step6: Create a HibernateUtil file in com.ram.utility






Demohibernate20 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Projects
Files
Services
hibernate.cfg.xml
hibernate.reveng.xml
Student.java
New HibernateUtil.java
Steps
1. Choose File Type
2. Name and Location
Name and Location
Class Name: HibernateUtil
Project: Demohibernate20
Location: Source Packages
Package: com.ram.utility
Created File: :uments\NetBeansProjects\Demohibernate20\src\java\com\ram\utility\HibernateUtil.java
< Back
Next >
Finish
Cancel
Help
setC - Navigator
Members
<empty>
setC(Integer c)
Activate Windows
Go to Settings to activate Windows.
Output
74:5
INS
Type here to search
29°C
ENG
20:45
20-03-2025