



- [Hibernate_annotation](#)
- [Hibernate_demo](#)
- [Hibernate_derby](#)
- [Hibernate_manytoone](#)
- [Hibernate_mapping_onetoone](#)
- [Hibernate_onetooneseparatekey](#)

hibernate.cfg.xml - Navigator

<No View Available>

Start Page × Output × Student.java × StudentAddress.java × Main.java ×



Learn & Discover

My NetBeans

What's New

Show On Startup **Steps**

1. Choose Project
2. ...

Choose Project

Filter:

Categories:

- Java
- JavaFX
- Java Web
- Java EE
- HTML5/JavaScript
- Java ME Embedded
- Java Card
- Maven

Projects:

- Java Application
- Java Class Library
- Java Project with Existing Sources
- Java Free-Form Project

Description:

Creates a new Java SE application in a standard IDE project. You can also generate a main class in the project. Standard projects use **an IDE-generated Ant build script** to

< Back

Next >

Finish

Cancel

Help

Activate Features

NetBeans turns on functionality as you use it. Start creating and opening projects and the IDE will just activate the features you need, making your experience quicker and cleaner. Alternatively, you can activate features manually.



Type here to search



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NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects x Files Services

- Hibernate_annotation
- Hibernate_demo
- Hibernate_derby
- Hibernate_manytoone
- Hibernate_mapping_onetoono
- Hibernate_onetooneonseparatekey

Start Page x Output x Student.java x StudentAddress.java x Main.java x

NetBeansIDE Learn & Discover My NetBeans What's New Show On Startup

New Java Application

Steps

1. Choose Project
2. Name and Location

Name and Location

Project Name: Derby_Demo

Project Location: C:\Users\fatema\Documents\NetBeansProjects

Project Folder: \a\Documents\NetBeansProjects\Derby_Demo

Use Dedicated Folder for Storing Libraries

Libraries Folder: .\lib

Different users and projects can share the same compilation libraries (see Help for details).

Create Main Class derby_demo.Derby_Demo

< Back Next > Finish Cancel Help

Activate Features

NetBeans turns on functionality as you use it. Start creating and opening projects and the IDE will just activate the features you need, making your experience quicker and cleaner. Alternatively, you can activate features manually.

java

hibernate.cfg.xml - Navigator x

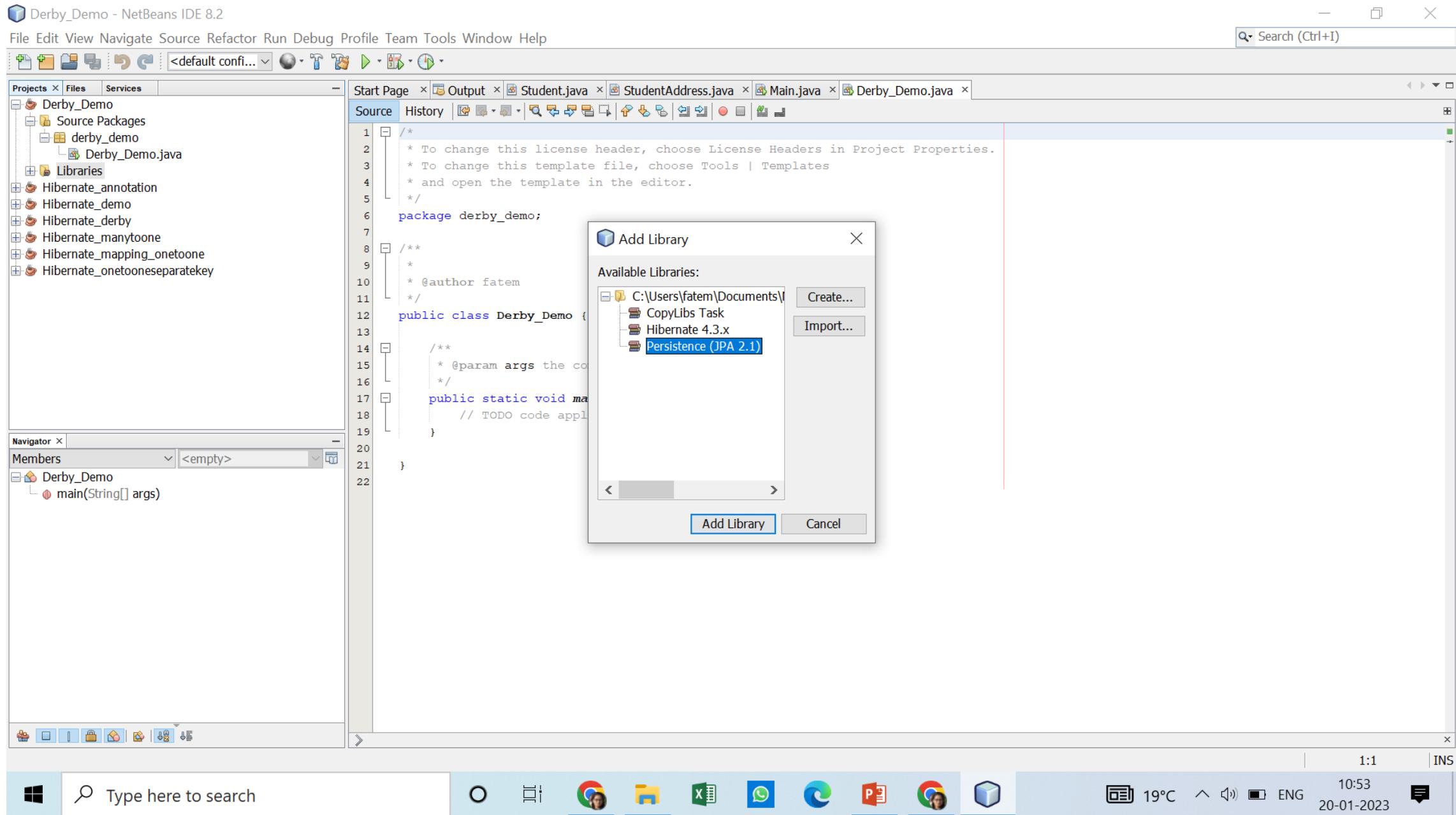
<No View Available>

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O Google Drive Excel WhatsApp Microsoft Edge PowerPoint Google Sheets

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Step-2 Add Libraries (Hibernate 4.3, Persistence (JPA 2.1) & create database

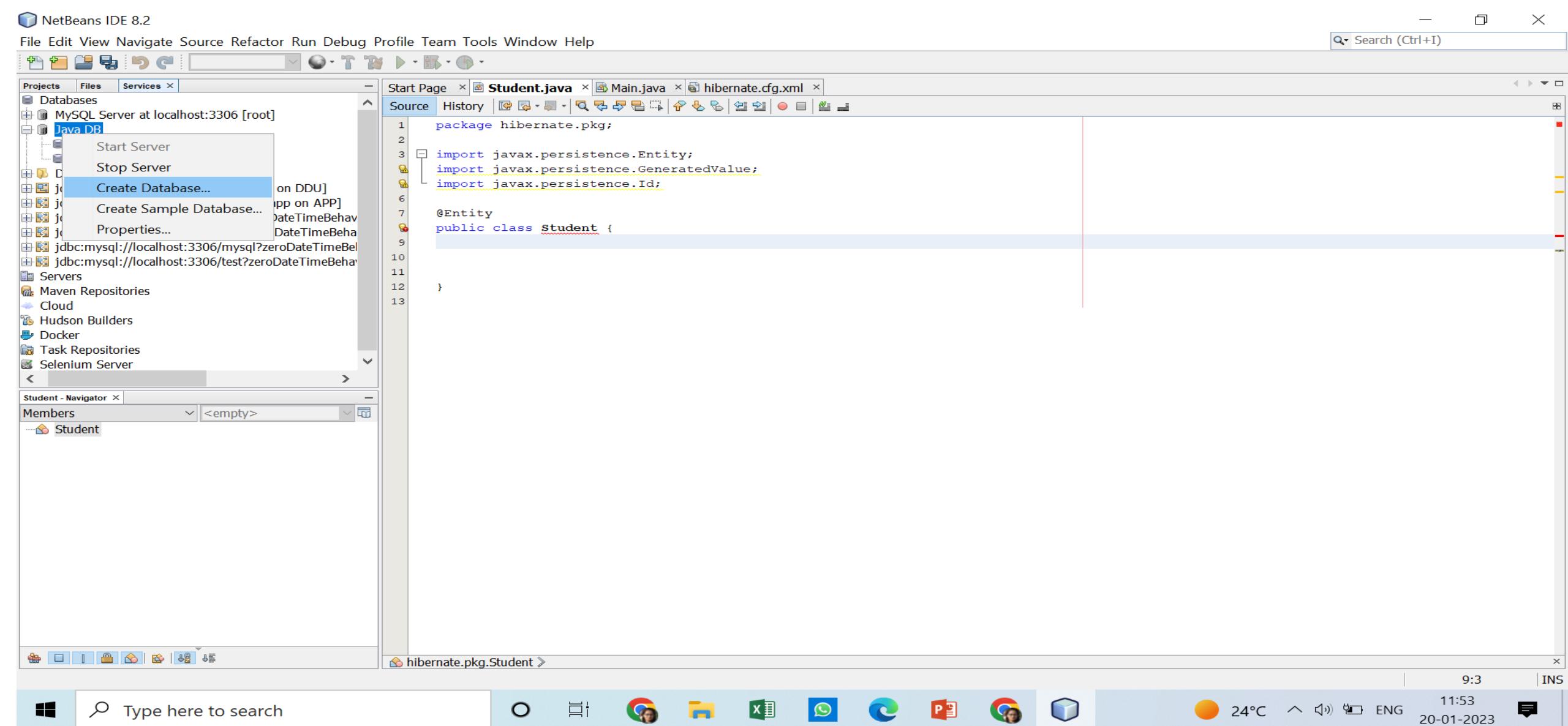


The screenshot shows the NetBeans IDE interface with the following details:

- Projects Panel:** Shows the project structure with "Derby_Demo" selected. Under "Libraries", it lists various JAR files including Persistence (JPA 2.1), Hibernate 4.3.x, and JDK 1.8 (Default).
- Navigator Panel:** Shows the members of the Derby_Demo class, specifically the main() method.
- Source Editor Panel:** Displays the Java code for Derby_Demo.java. The code includes a package declaration for "derby_demo", a class definition for "Derby_Demo" with a single-line comment "@author fatem", and a main() method that is currently empty (TODO). The code also includes standard JavaDoc-style comments at the top.

```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package derby_demo;
7
8  /**
9  *
10 * @author fatem
11 */
12 public class Derby_Demo {
13
14     /**
15      * @param args the command line arguments
16     */
17     public static void main(String[] args) {
18         // TODO code application logic here
19     }
20
21 }
22 }
```

Add Database (Derby Connectivity is already there so skip that part. If not then include derby jar file.



Projects Files Services X

Databases MySQL Server at localhost:3306 [root] Java DB ddu sample Drivers jdbc:derby://localhost:1527/ddu [ddu on DDU] jdbc:derby://localhost:1527/sample [app on APP] jdbc:mysql://localhost:3306/6H?zeroDateTimeBehavior jdbc:mysql://localhost:3306/ddu?zeroDateTimeBehavior jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior jdbc:mysql://localhost:3306/test?zeroDateTimeBehavior Servers Maven Repositories Cloud Hudson Builders Docker Task Repositories Selenium Server

Student - Navigator X Members <empty>

Student

Start Page x Student.java x Main.java x hibernate.cfg.xml x

Source History

```
1 package hibernate.pkg;
2
3 import javax.persistence.Entity;
4 import javax.persistence.GeneratedValue;
5 import javax.persistence.Id;
6
7 @Entity
8 public class Student {
```

Create Java DB Database

Database Name: ddu1

User Name: ddu

Password: ***

Confirm Password: ***

Database Location: C:\Users\fatem\AppData\Roaming\NetBeans\Derby Properties...

OK Cancel

hibernate.pkg.Student >



Type here to search



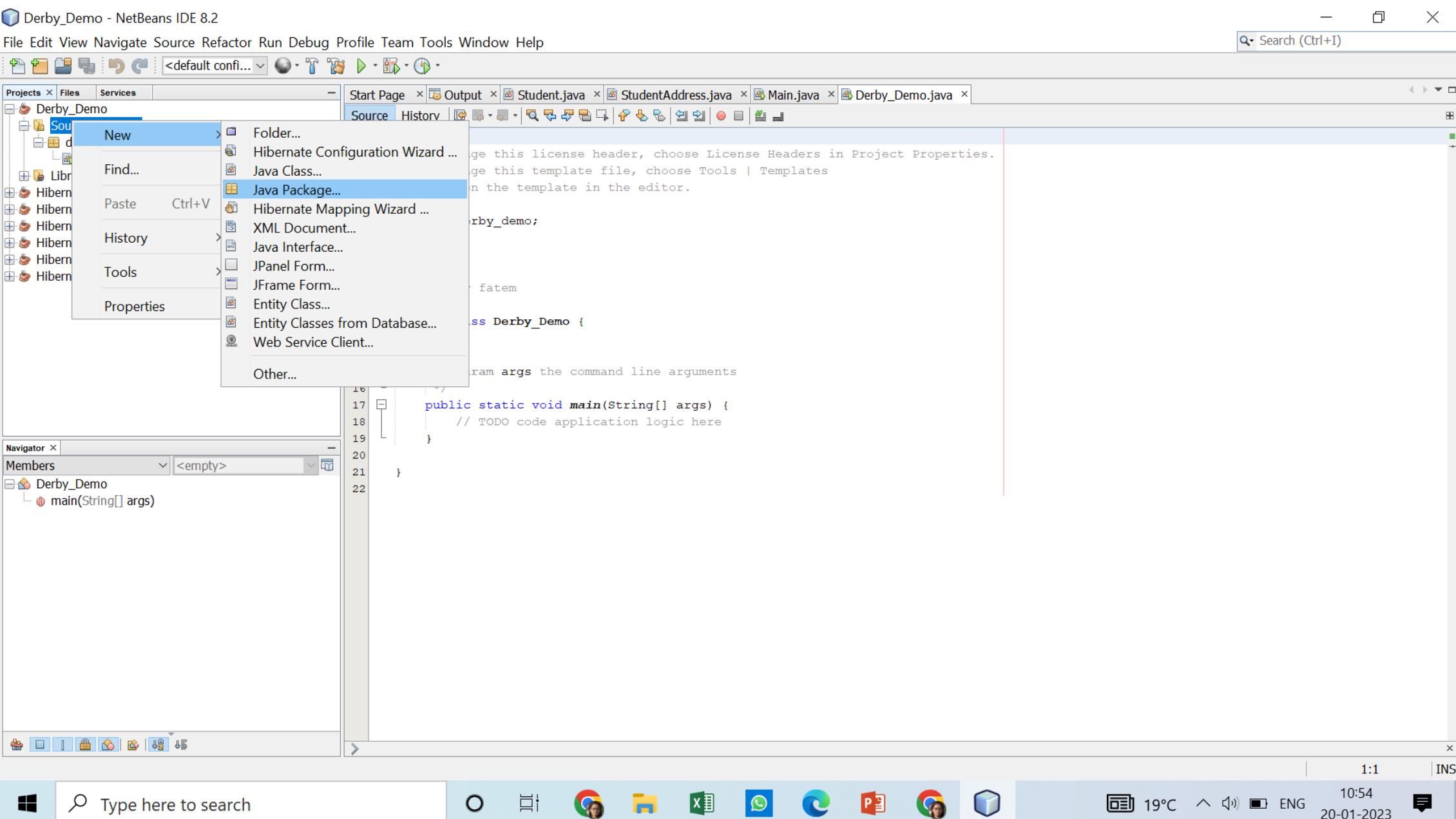
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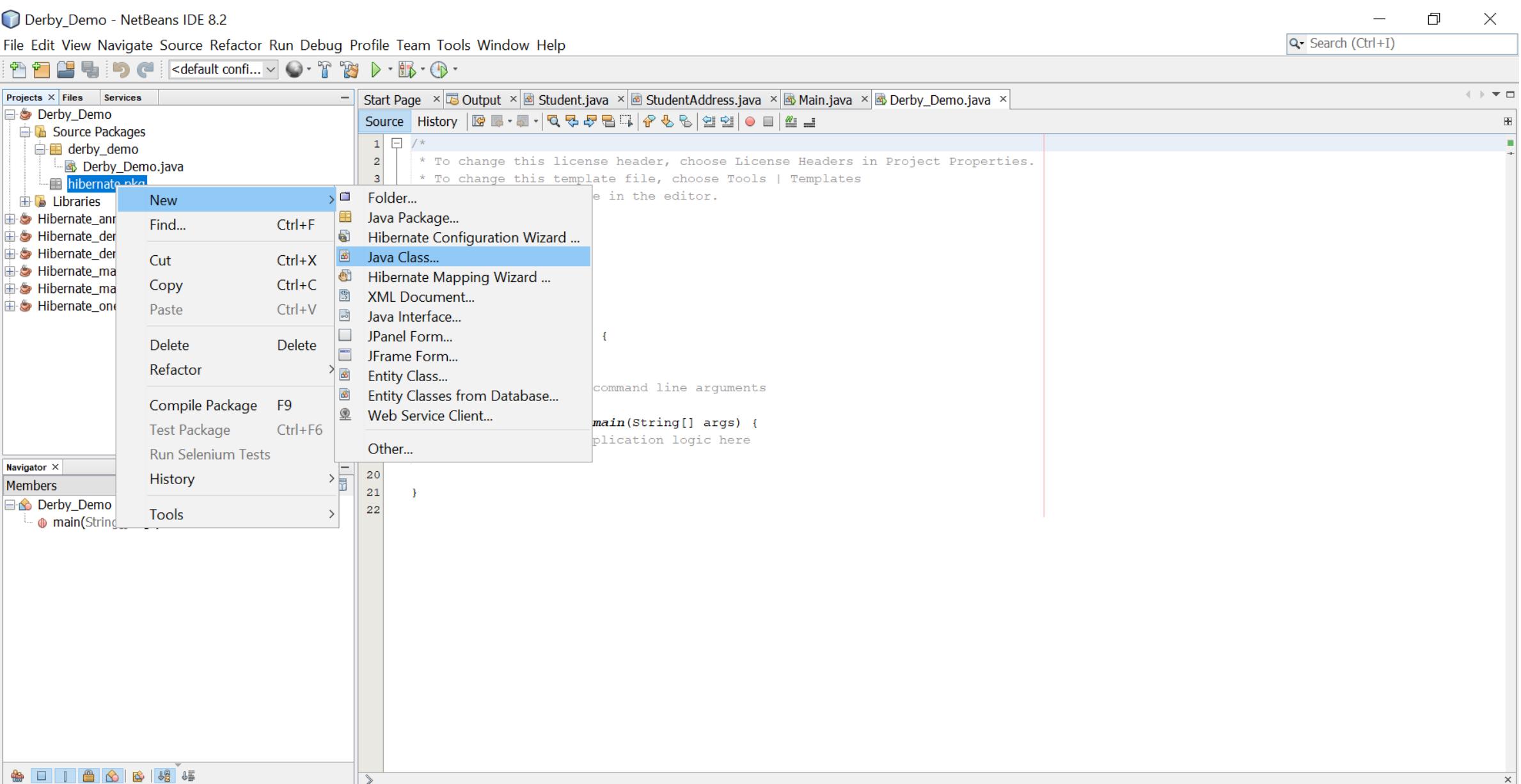
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20-01-2023

Step-3 Create Package



Step-4 Add 2 files in package (Student.java, Main.java)



Type here to search



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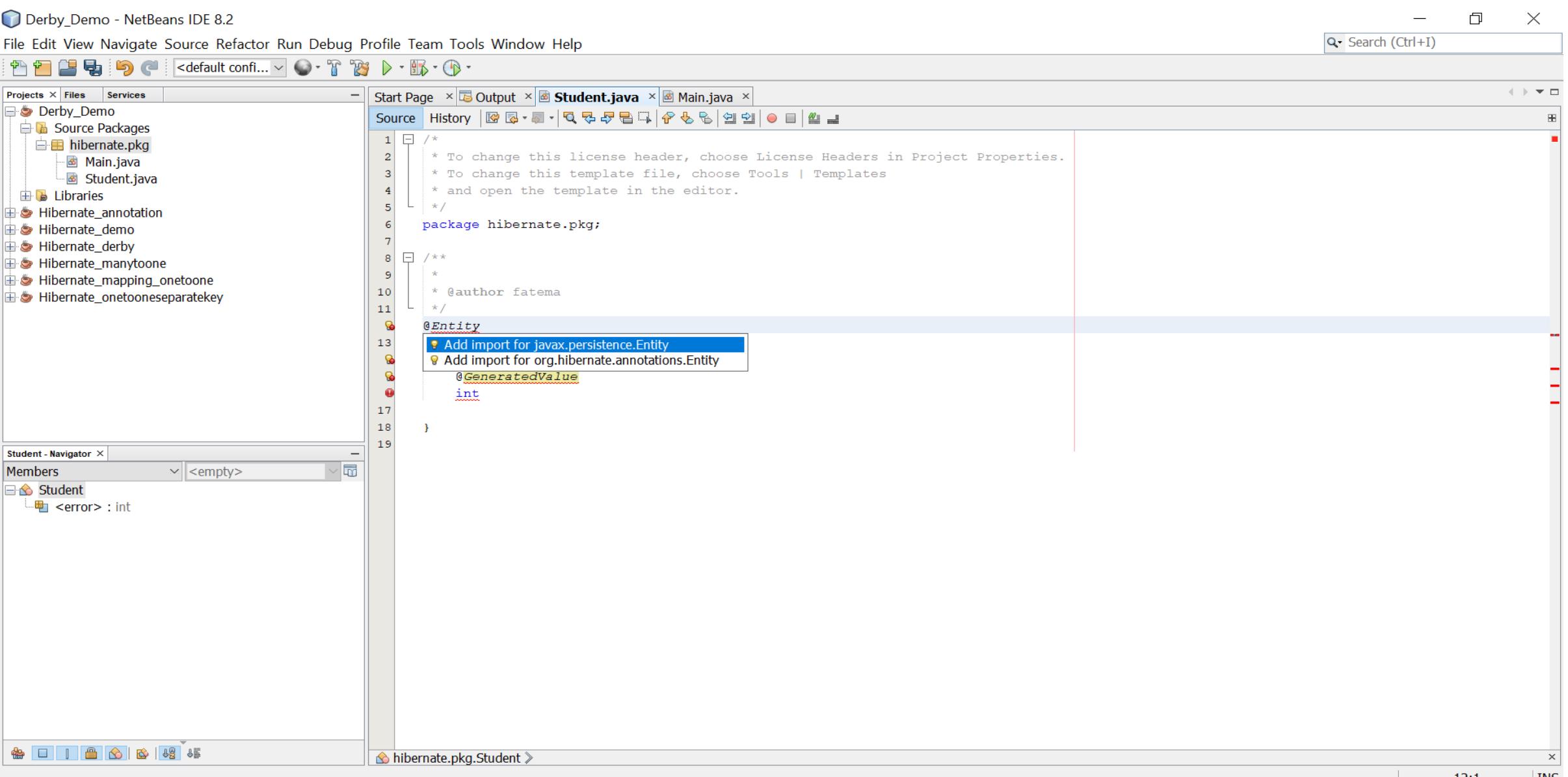


ENG

10:55

20-01-2023

Step-5 Add suggested packages (javax.persistence.Entity etc)



Type here to search



20-01-2023

Step-6 Add Data members and getter setter methods as shown below in **Student.java** file

```
package hibernate.pkg;
```

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.Id;

@Entity
public class Student {
    @Id
    @GeneratedValue
    private int student_id;
    private String name;
    private String address;

    public int getStudent_id() {
        return student_id;
    }

    public void setStudent_id(int student_id) {
        this.student_id = student_id;
    }
}
```

```
public String getName() {  
    return name;  
}  
  
public void setName(String name) {  
    this.name = name;  
}  
public String getAddress() {  
    return address;  
}  
  
public void setAddress(String address) {  
    this.address = address;  
}  
}
```

Step-7 Add below code in Main.java file

```
package hibernate.pkg;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.cfg.AnnotationConfiguration;

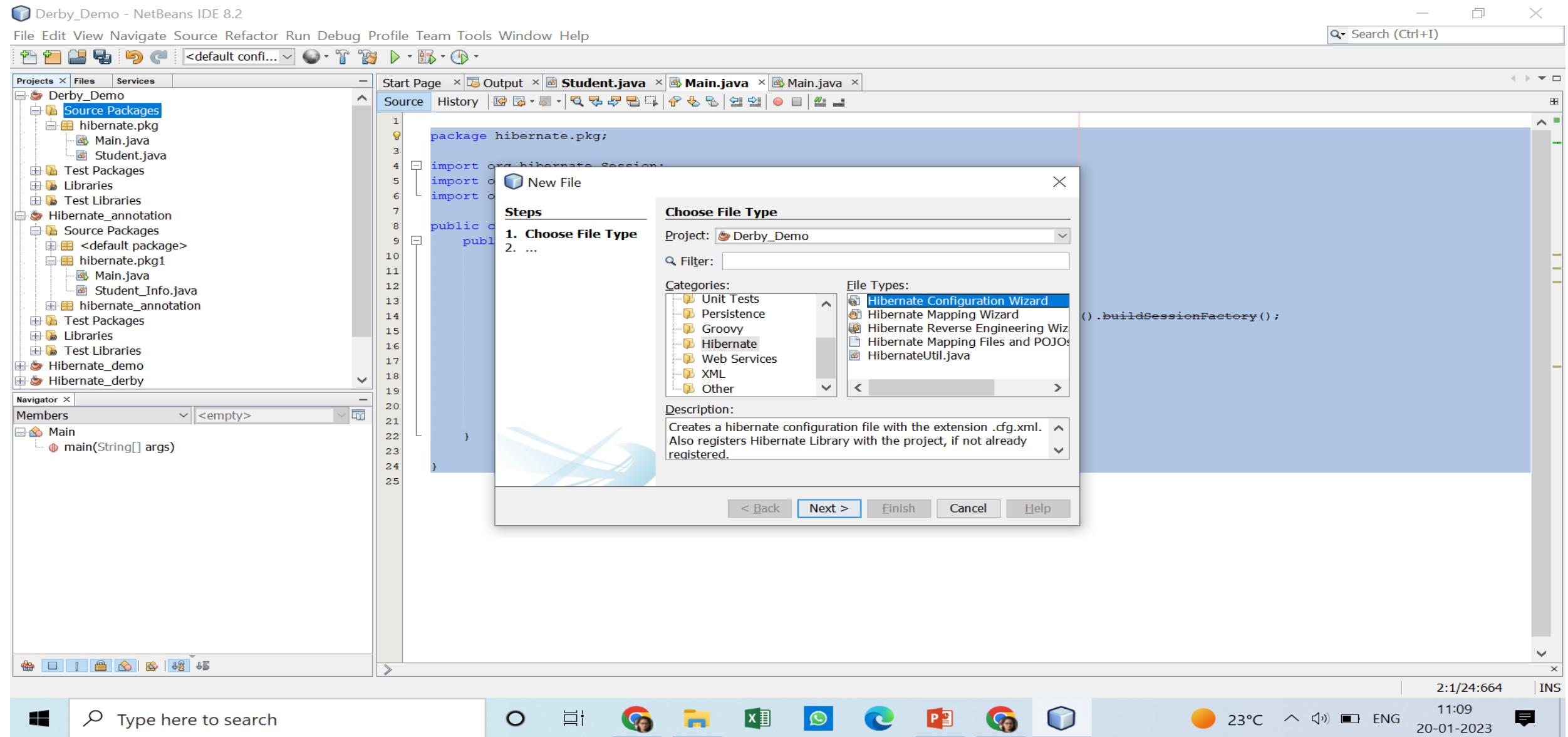
public class Main {
    public static void main(String[] args) {
        Student s1 = new Student(); Student s2 = new Student();
        s1.setName("Fatema");      s2.setName("Vhora");
        s1.setAddress("DDU,Nadiad"); s2.setAddress("DDU, IT, Nadiad");

        SessionFactory sessionFactory = new AnnotationConfiguration().configure().buildSessionFactory();
        Session session = sessionFactory.openSession();
        session.beginTransaction();

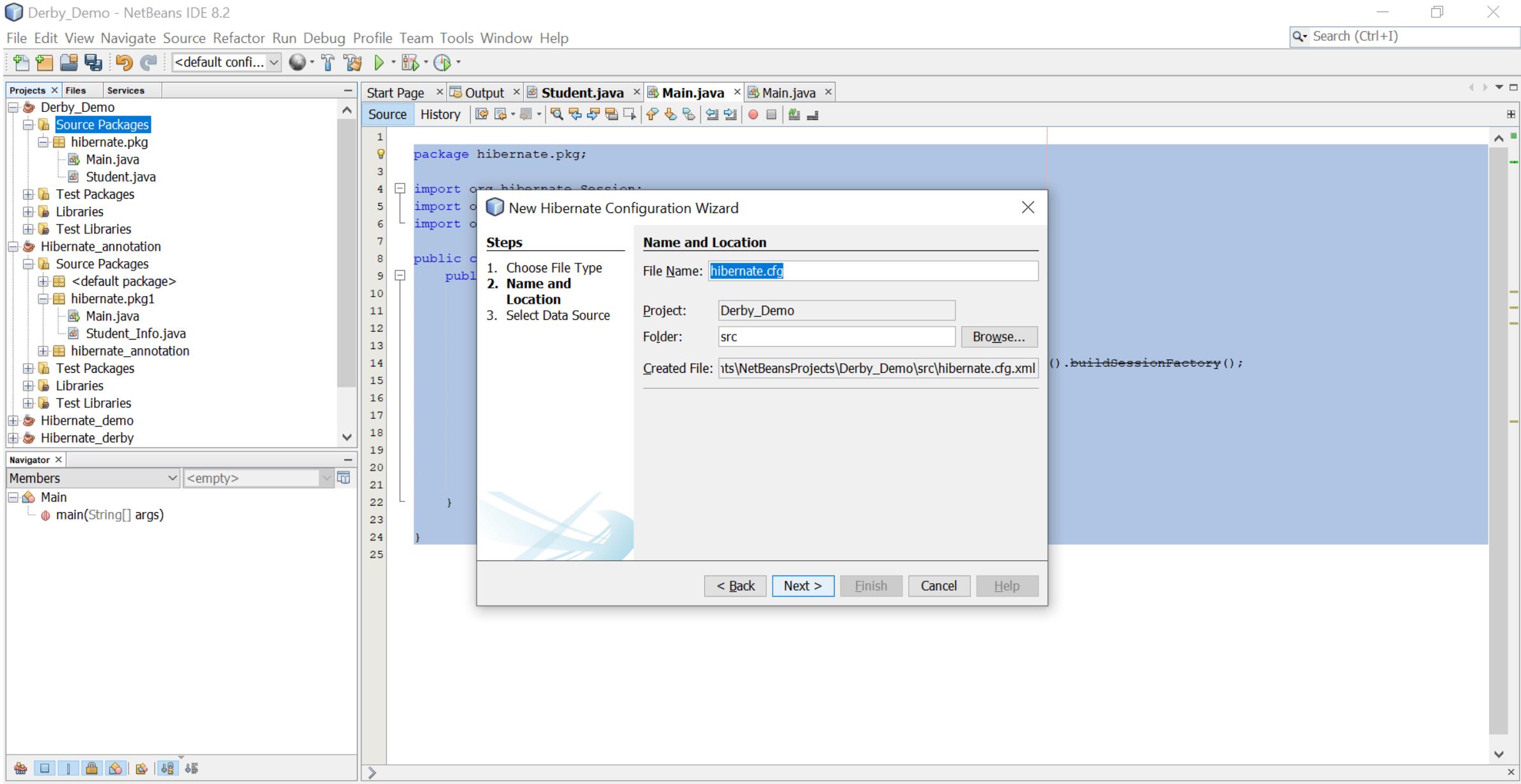
        session.save(s1); session.save(s2);
        session.getTransaction().commit();
        session.close();
        sessionFactory.close();
    }
}
```

Step-8 Add hibernate configuration file (hibernate.cfg.xml)

Right Click on Source Package → Other → Hibernate → Hibernate Configuration Wizard



Click Next (Make sure in folder field it always should “src”



Type here to search



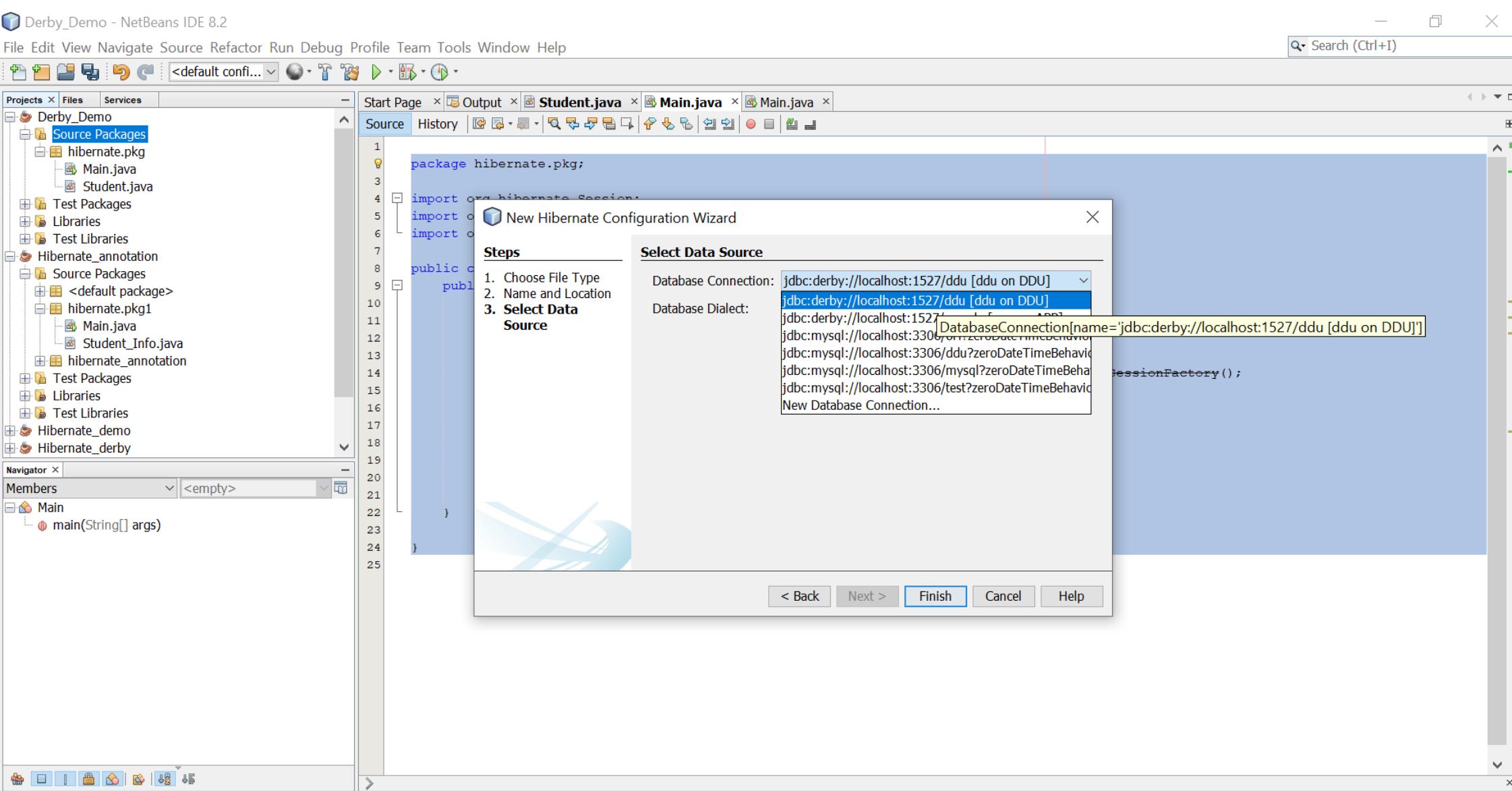
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Select your derby database from list and click finish



Step-9 Click on configuration properties "Add" button

Derby_Demo - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services

Derby_Demo

- Source Packages
 - <default package>
 - hibernate.cfg.xml
 - hibernate.pkg
 - Main.java
 - Student.java
- Test Packages
- Libraries
- Test Libraries
- Hibernate_annotation

 - Source Packages
 - <default package>
 - hibernate.pkg1
 - Main.java
 - Student_Info.java
 - hibernate_annotation
 - Test Packages
 - Libraries
 - Test Libraries

hibernate.cfg.xml - Navigator

- version="1.0" encoding="UTF-8"
- PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
- hibernate-configuration
 - session-factory

Filters:

Start Page Output Student.java Main.java Main.java hibernate.cfg.xml

Design Source History Configuration Properties

Session Factory

JDBC Properties

Name	Value
Add...	Edit... Remove

Datasource Properties

Mappings

Cache

- Class Cache
- Collection Cache

Optional Properties

Configuration Properties

Name	Value
Add...	Edit... Remove

JDBC and Connection Properties

Cache Properties

Transaction Properties

Miscellaneous Properties

Security



Type here to search



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Add hibernate dialect property with given value and click ok

Derby_Demo - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services

Derby_Demo

- Source Packages
 - <default package>
 - hibernate.cfg.xml
- hibernate.pkg

 - Main.java
 - Student.java

- Test Packages
- Libraries
- Test Libraries

Hibernate_annotation

- Source Packages
 - <default package>
 - hibernate.pkg1
 - Main.java
 - Student_Info.java
- hibernate_annotation
- Test Packages
- Libraries
- Test Libraries

hibernate.cfg.xml - Navigator

```
<?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">
<!-->
<!--> session-factory
```

Start Page Output Student.java Main.java Main.java hibernate.cfg.xml

Design Source History Configuration Properties

Session Factory

JDBC Properties

Name	Value	
Add...	Edit...	Remove

Datasource Properties

Mappings

Cache

- Class Cache
- Collection Cache

Optional Properties

Configuration Properties

Name		
Add...	Edit...	Remove

OK Cancel

JDBC and Connection Properties

Cache Properties

Transaction Properties

Miscellaneous Properties

Security

Add Hibernate Property

Property Name: hibernate.dialect

Property Value: org.hibernate.dialect.DB2Dialect

OK Cancel



Type here to search



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Step-10 Click on JDBC properties “Add” button and driver_class property as shown below

Derby_Demo - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services <default config...>

Start Page Output Student.java Main.java hibernate.cfg.xml SQL 1 [jdbc:derby://localhost:15...]

Design Source History JDBC Properties

Session Factory

JDBC Properties

Name Value

Add... Edit... Remove

Datasource Properties

Mappings

Cache

Class Cache Collection Cache

Optional Properties Configuration Properties

Name hibernate.dialect

Add... Edit... Remove

Add Hibernate Property

Property Name: hibernate.connection.driver_class

Property Value: com.ibm.db2.jdbc.app.DB2Driver

com.sun.sql.jdbc.sybase.SybaseD interbase.interclient.Driver oracle.jdbc.driver.OracleDriver oracle.jdbc.OracleDriver org.apache.derby.jdbc.ClientDriver org.firebirdsql.jdbc.FBDriver org.hsqldb.jdbcDriver org.postgresql.Driver

JDBC and Connection Properties

Cache Properties

Transaction Properties

Miscellaneous Properties

Security

Filters:



Type here to search

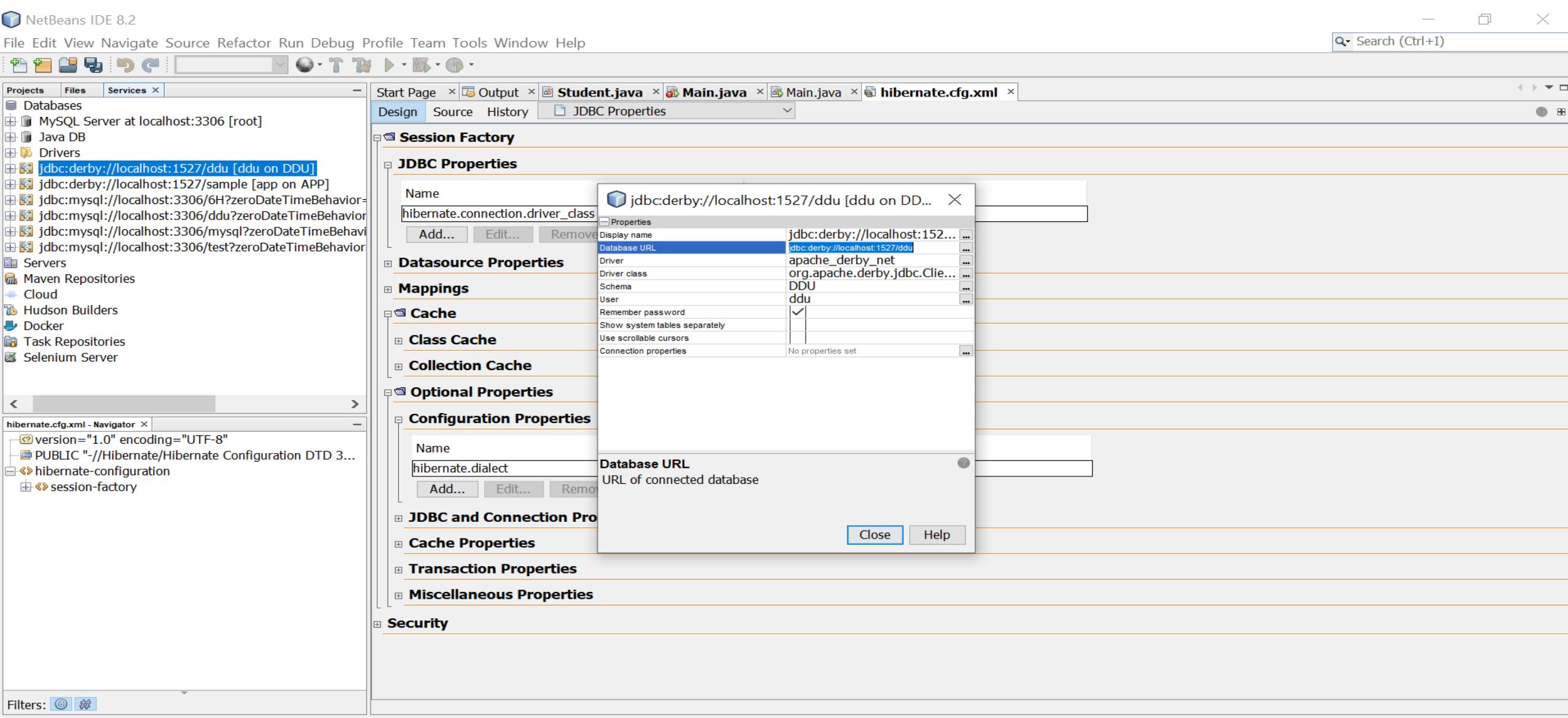


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Click on **JDBC properties** “Add” button and **url** property as shown below.

For Url Value go to services and copy your database link as shown below.



Type here to search



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Projects Files Services

- Databases
 - MySQL Server at localhost:3306 [root]
 - Java DB
 - Drivers
 - jdbc:derby://localhost:1527/ddu [ddu on DDU]
 - jdbc:derby://localhost:1527/sample [app on APP]
 - jdbc:mysql://localhost:3306/6H?zeroDateTimeBehavior=convertToNull
 - jdbc:mysql://localhost:3306/ddu?zeroDateTimeBehavior=convertToNull
 - jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior=convertToNull
 - jdbc:mysql://localhost:3306/test?zeroDateTimeBehavior=convertToNull
- Servers
 - Maven Repositories
 - Cloud
 - Hudson Builders
 - Docker
 - Task Repositories
 - Selenium Server

hibernate.cfg.xml - Navigator

- version="1.0" encoding="UTF-8"
- PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
- hibernate-configuration
- session-factory

Filters:

Start Page Output Student.java Main.java Main.java hibernate.cfg.xml

Design Source History JDBC Properties

Session Factory

JDBC Properties

Name	Value
hibernate.connection.driver_class	org.apache.derby.jdbc.ClientDriver

Add... Edit... Remove

Datasource Properties

Mappings

Cache

- Class Cache**
- Collection Cache**

Optional Properties

Configuration Properties

Name	Value
hibernate.dialect	org.hibernate.dialect.DB2Dialect

OK Cancel

JDBC and Connection Properties

Cache Properties

Transaction Properties

Miscellaneous Properties

Security

Click on JDBC properties “Add” button and set username and password property

Derby_Demo - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services

Databases MySQL Server at localhost:3306 [root] Java DB Drivers jdbc:derby://localhost:1527/ddu [ddu on DDU] jdbc:derby://localhost:1527/sample [app on APP] jdbc:mysql://localhost:3306/6H?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/ddu?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/test?zeroDateTimeBehavior=convertToNull Servers Maven Repositories Cloud Hudson Builders Docker Task Repositories Selenium Server

hibernate.cfg.xml - Navigator

version="1.0" encoding="UTF-8"
PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
hibernate-configuration
session-factory

Start Page Output Student.java Main.java Main.java hibernate.cfg.xml

Design Source History JDBC Properties

Session Factory

JDBC Properties

Name	Value
hibernate.connection.driver_class	org.apache.derby.jdbc.ClientDriver
hibernate.connection.url	jdbc:derby://localhost:1527/ddu

Add... Edit... Remove

Datasource Properties

Mappings

Add Hibernate Property

Property Name: hibernate.connection.username
Property Value: ddu

OK Cancel

Cache

Class Cache

Collection Cache

Optional Properties

Configuration Properties

Name	Value
hibernate.dialect	org.hibernate.dialect.DB2Dialect

Add... Edit... Remove

JDBC and Connection Properties

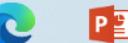
Cache Properties

Transaction Properties

Miscellaneous Properties

Security

Filters:



Projects Files Services X

Databases MySQL Server at localhost:3306 [root] Java DB Drivers jdbc:derby://localhost:1527/ddu [ddu on DDU] jdbc:mysql://localhost:3306/6H?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/ddu?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/test?zeroDateTimeBehavior=convertToNull Servers Maven Repositories Cloud Hudson Builders Docker Task Repositories Selenium Server

Start Page Output Student.java Main.java Main.java hibernate.cfg.xml

Design Source History JDBC Properties

Session Factory

JDBC Properties

Name	Value
hibernate.connection.driver_class	org.apache.derby.jdbc.ClientDriver
hibernate.connection.url	jdbc:derby://localhost:1527/ddu
hibernate.connection.username	ddu

Add... Edit... Remove

Datasource Properties

Mappings

Cache

Class Cache Collection Cache

Optional Properties

Add Hibernate Property

Property Name: hibernate.connection.password
Property Value: ddu

OK Cancel

Configuration Properties

Name	Value
hibernate.dialect	org.hibernate.dialect.DB2Dialect

Add... Edit... Remove

JDBC and Connection Properties

Cache Properties

Transaction Properties

Miscellaneous Properties

Security

hibernate.cfg.xml - Navigator

version="1.0" encoding="UTF-8"
PUBLIC "-//Hibernate/Hibernate Configuration DTD 3..."
hibernate-configuration
session-factory

Filters:

Step-11 Go to source of your hibernate configuration file and add following two properties

```
<property name="hibernate.hbm2ddl.auto">
```

Create

```
</property>
```

```
<mapping class="hibernate.pkg.Student"/>
```

Final Configuration File should look like this as shown below

Derby_Demo - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services

Derby_Demo

- Source Packages
 - <default package>
 - hibernate.cfg.xml
 - hibernate.pkg
 - Main.java
 - Student.java
- Test Packages
- Libraries
- Test Libraries

Hibernate_annotation

- Source Packages
 - <default package>
 - hibernate.cfg.xml
 - hibernate.pkg1
 - Main.java
 - Student_Info.java
- hibernate_annotation
- Test Packages
- Libraries

hibernate.cfg.xml - Navigator

version="1.0" encoding="UTF-8"

PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.3--"

<> hibernate-configuration

<> session-factory

- <> property name="hibernate.dialect" (org.hibernate.dialect.DB2Dialect)
- <> property name="hibernate.connection.driver_class" (com.ibm.db2.jdbc.app.DB2Driver)
- <> property name="hibernate.connection.url" (jdbc:derby://localhost:1527/ddu)
- <> property name="hibernate.connection.username" (ddu)
- <> property name="hibernate.connection.password" (ddu)
- <> property name="hibernate.hbm2ddl.auto" (create)
- <> mapping class="hibernate.pkg.Student"

Start Page Output Student.java Main.java Main.java hibernate.cfg.xml hibernate.cfg.xml

Design Source History

29 If you wish your version of this file to be governed by only the CDDL
30 or only the GPL Version 2, indicate your decision by adding
31 "[Contributor] elects to include this software in this distribution
32 under the [CDDL or GPL Version 2] license." If you do not indicate a
33 single choice of license, a recipient has the option to distribute
34 your version of this file under either the CDDL, the GPL Version 2 or
35 to extend the choice of license to its licensees as provided above.
36 However, if you add GPL Version 2 code and therefore, elected the GPL
37 Version 2 license, then the option applies only if the new code is
38 made subject to such option by the copyright holder.

39

40 Contributor(s) :

41 -->

42 <hibernate-configuration>

43 <session-factory>

44 <property name="hibernate.dialect">org.hibernate.dialect.DB2Dialect</property>

45 <property name="hibernate.connection.driver_class">com.ibm.db2.jdbc.app.DB2Driver</property>

46 <property name="hibernate.connection.url">jdbc:derby://localhost:1527/ddu</property>

47 <property name="hibernate.connection.username">ddu</property>

48 <property name="hibernate.connection.password">ddu</property>

49

50 <property name="hibernate.hbm2ddl.auto">create</property>

51 <mapping class="hibernate.pkg.Student"/>

52 </session-factory>

53 </hibernate-configuration>

54

<> hibernate-configuration > <> session-factory > <> mapping >



Type here to search



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Connect your database as shown below

NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services ×

Databases

- MySQL Server at localhost:3306 [root]
- Java DB
- Drivers
- jdbc:derby://localhost:1527/ddu [ddu on DDU] Connect... Disconnect Execute Command... Refresh Delete Delete Properties
- jdbc:derby://localhost:1527/sample
- jdbc:mysql://localhost:3306/6H?ze
- jdbc:mysql://localhost:3306/ddu?z
- jdbc:mysql://localhost:3306/mysql
- jdbc:mysql://localhost:3306/test?z

Servers

Maven Repositories

Cloud

Hudson Builders

Docker

Task Repositories

Selenium Server

Start Page × Output - Derby_Demo (run) × Student.java × Main.java ×

Source History

```
1 package hibernate.pkg;
2
3         t org.hibernate.Session;
4         t org.hibernate.SessionFactory;
5         t org.hibernate.cfg.AnnotationConfiguration;
6
7         c class Main {
8             public static void main(String[] args) {
9                 Student s1 = new Student();
10                s1.setName("Fatema");
11                s1.setAddress("DDU,Nadiad");
12
13                SessionFactory sessionFactory = new AnnotationConfiguration().configure().buildSessionFactory();
14                Session session = sessionFactory.openSession();
15                session.beginTransaction();
16
17                session.save(s1);
18                session.getTransaction().commit();
19                session.close();
20                sessionFactory.close();
21            }
22        }
23    }
24}
25}
```

Main - Navigator ×

Members

- Main
- main(String[] args)

hibernate.pkg.Main >



Type here to search



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Run your Main File

Derby_Demo - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services ×

Databases MySQL Server at localhost:3306 [root] Java DB ddu sample Drivers jdbc:derby://localhost:1527/ddu [ddu on DDU] DDU Tables STUDENT Views Procedures Other schemas jdbc:derby://localhost:1527/sample [app on APP] jdbc:mysql://localhost:3306/6H?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/ddu?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior=convertToNull jdbc:mysql://localhost:3306/test?zeroDateTimeBehavior=convertToNull Servers

Start Page × Output × Student.java × Main.java × hibernate.cfg.xml × Derby_Demo (run) × Java DB Database Process ×

```
INFO: HHH000043: Configuring from resource: /hibernate.cfg.xml
Jan 20, 2023 11:44:53 AM org.hibernate.cfg.Configuration getConfigurationInputStream
INFO: HHH000040: Configuration resource: /hibernate.cfg.xml
Jan 20, 2023 11:44:53 AM org.hibernate.internal.util.xml.DTDEntityResolver resolveEntity
WARN: HHH000223: Recognized obsolete hibernate namespace http://hibernate.sourceforge.net/. Use namespace http://www.hibernate.org/
Jan 20, 2023 11:44:53 AM org.hibernate.cfg.Configuration doConfigure
INFO: HHH000041: Configured SessionFactory: null
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
WARN: HHH000402: Using Hibernate built-in connection pool (not for production use!)
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH000401: using driver [org.apache.derby.jdbc.ClientDriver] at URL [jdbc:derby://localhost:1527/ddu]
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH000046: Connection properties: {user=ddu, password=****}
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH000006: Autocommit mode: false
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
INFO: HHH000115: Hibernate connection pool size: 20 (min=1)
Jan 20, 2023 11:44:54 AM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: org.hibernate.dialect.DB2Dialect
Jan 20, 2023 11:44:54 AM org.hibernate.engine.transaction.internal.TransactionFactoryInitiator initiateService
INFO: HHH000399: Using default transaction strategy (direct JDBC transactions)
Jan 20, 2023 11:44:54 AM org.hibernate.hql.internal.ast.ASTQueryTranslatorFactory <init>
INFO: HHH000397: Using ASTQueryTranslatorFactory
Jan 20, 2023 11:44:55 AM org.hibernate.tool.hbm2ddl.SchemaExport execute
INFO: HHH000227: Running hbm2ddl schema export
Jan 20, 2023 11:44:55 AM org.hibernate.tool.hbm2ddl.SchemaExport execute
INFO: HHH000230: Schema export complete
Jan 20, 2023 11:44:55 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl stop
INFO: HHH000030: Cleaning up connection pool [jdbc:derby://localhost:1527/ddu]
BUILD SUCCESSFUL (total time: 3 seconds)
```

Members <empty>

Main main(String[] args)

Type here to search

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Go to your database and check table is created and record is inserted as shown below

NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services X

Databases MySQL Server at localhost:3306 [root]
Java DB ddu sample
Drivers jdbc:derby://localhost:1527/ddu [ddu on DDU]
Tables STUDENT

View Data... Execute Command...
Add Column... Refresh Delete Delete
Grab Structure... Recreate Table... Properties

Start Page Output x Student.java x Main.java x hibernate.cfg.xml x

Derby_Demo (run) x Java DB Database Process x

```
INFO: HHH000043: Configuring from resource: /hibernate.cfg.xml
Jan 20, 2023 11:44:53 AM org.hibernate.cfg.Configuration getConfigurationInputStream
INFO: HHH000040: Configuration resource: /hibernate.cfg.xml
Jan 20, 2023 11:44:53 AM org.hibernate.internal.util.xml.DTDEntityResolver resolveEntity
WARN: HHH000223: Recognized obsolete hibernate namespace http://hibernate.sourceforge.net/. Use namespace http://www.hibernate.org/
Jan 20, 2023 11:44:53 AM org.hibernate.cfg.Configuration doConfigure
INFO: HHH000041: Configured SessionFactory: null
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
WARN: HHH000402: Using Hibernate built-in connection pool (not for production use!)
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH000401: using driver [org.apache.derby.jdbc.ClientDriver] at URL [jdbc:derby://localhost:1527/ddu]
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH000046: Connection properties: {user=ddu, password=****}
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH000006: Autocommit mode: false
Jan 20, 2023 11:44:53 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
INFO: HHH000115: Hibernate connection pool size: 20 (min=1)
Jan 20, 2023 11:44:54 AM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: org.hibernate.dialect.DB2Dialect
Jan 20, 2023 11:44:54 AM org.hibernate.engine.transaction.internal.TransactionFactoryInitiator initiateService
INFO: HHH000399: Using default transaction strategy (direct JDBC transactions)
Jan 20, 2023 11:44:54 AM org.hibernate.hql.internal.ast.ASTQueryTranslatorFactory <init>
INFO: HHH000397: Using ASTQueryTranslatorFactory
Jan 20, 2023 11:44:55 AM org.hibernate.tool.hbm2ddl.SchemaExport execute
INFO: HHH000227: Running hbm2ddl schema export
Jan 20, 2023 11:44:55 AM org.hibernate.tool.hbm2ddl.SchemaExport execute
INFO: HHH000230: Schema export complete
Jan 20, 2023 11:44:55 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl stop
INFO: HHH000030: Cleaning up connection pool [jdbc:derby://localhost:1527/ddu]
BUILD SUCCESSFUL (total time: 3 seconds)
```



Type here to search



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11:45
20-01-2023

Output Looks like below

NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+I)

Projects Files Services ×

Databases

- MySQL Server at localhost:3306 [root]
- Java DB
 - ddu
 - sample
- Drivers
- jdbc:derby://localhost:1527/ddu [ddu on DDU]
 - DDU
 - Tables
 - STUDENT
 - Views
 - Procedures
 - Other schemas
- jdbc:derby://localhost:1527/sample [app on APP]
- jdbc:mysql://localhost:3306/6H?zeroDateTimeBehavior
- jdbc:mysql://localhost:3306/ddu?zeroDateTimeBehavior
- jdbc:mysql://localhost:3306/mysql?zeroDateTimeBehavior
- jdbc:mysql://localhost:3306/test?zeroDateTimeBehavior

Servers

Navigator ×

Members

Main

main(String[] args)

Start Page × Output × Student.java × Main.java × hibernate.cfg.xml × SQL 1 [jdbc:derby://localhost:15...] × SQL 2 [jdbc:derby://localhost:15...] ×

Connection: jdbc:derby://localhost:1527/ddu [ddu on DDU]

```
1 | SELECT * FROM DDU.STUDENT FETCH FIRST 100 ROWS ONLY;
2 | 
```

SELECT * FROM DDU.STUDENT... ×

Max. rows: 100 Fetched Rows: 2 Matching Rows:

#	STUDENT_ID	ADDRESS	NAME
1		1 DDU,Nadiad	Fatema
2		2 DDU,IT, Nadiad	Vhora



Type here to search



23°C ENG 11:48
20-01-2023

Implement One To One mapping by yourself

Implement Same program using mapping file by yourself