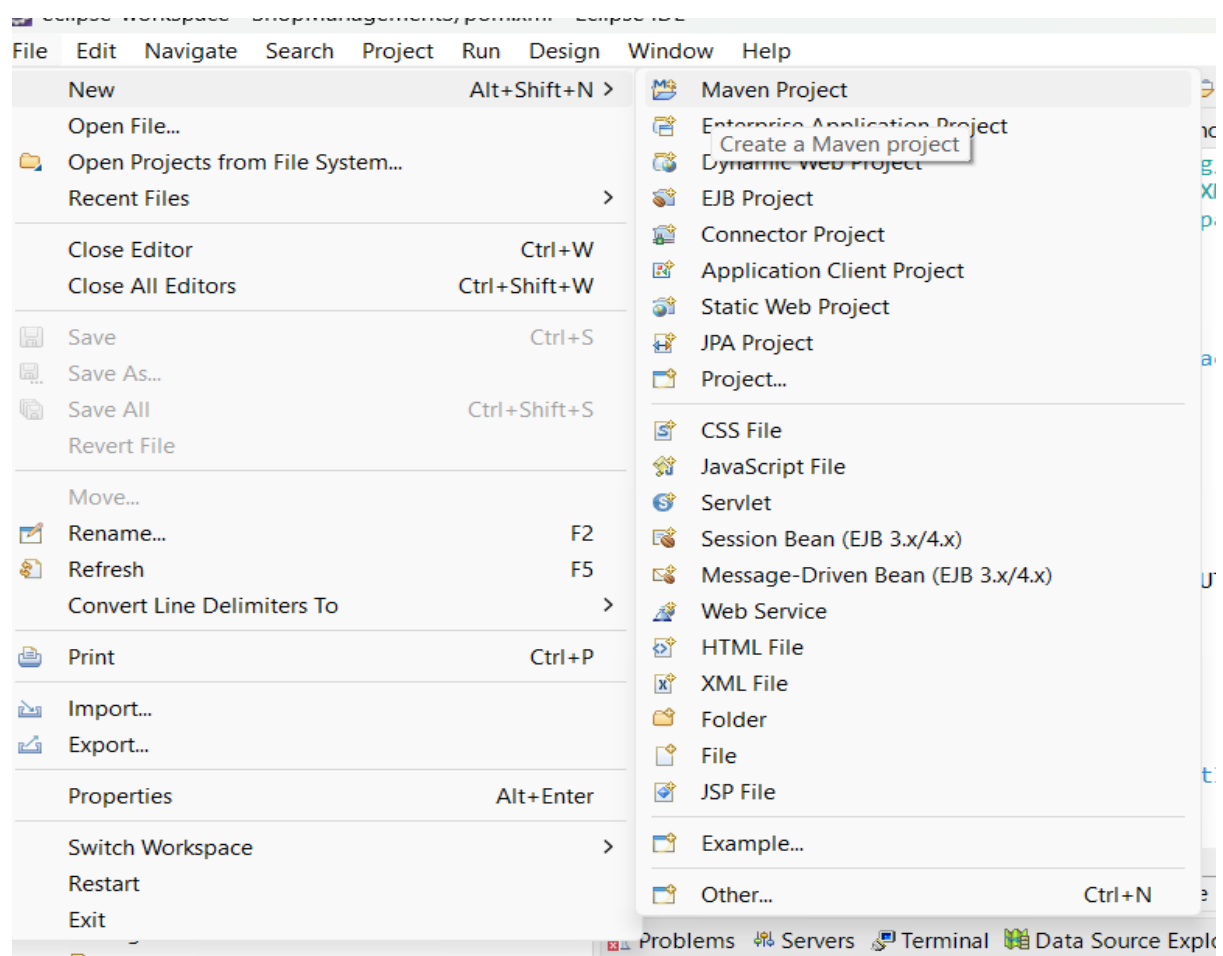
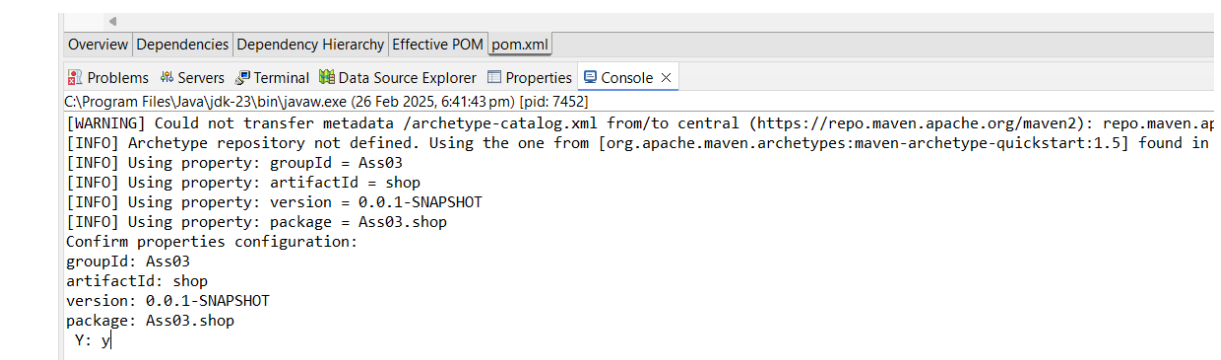
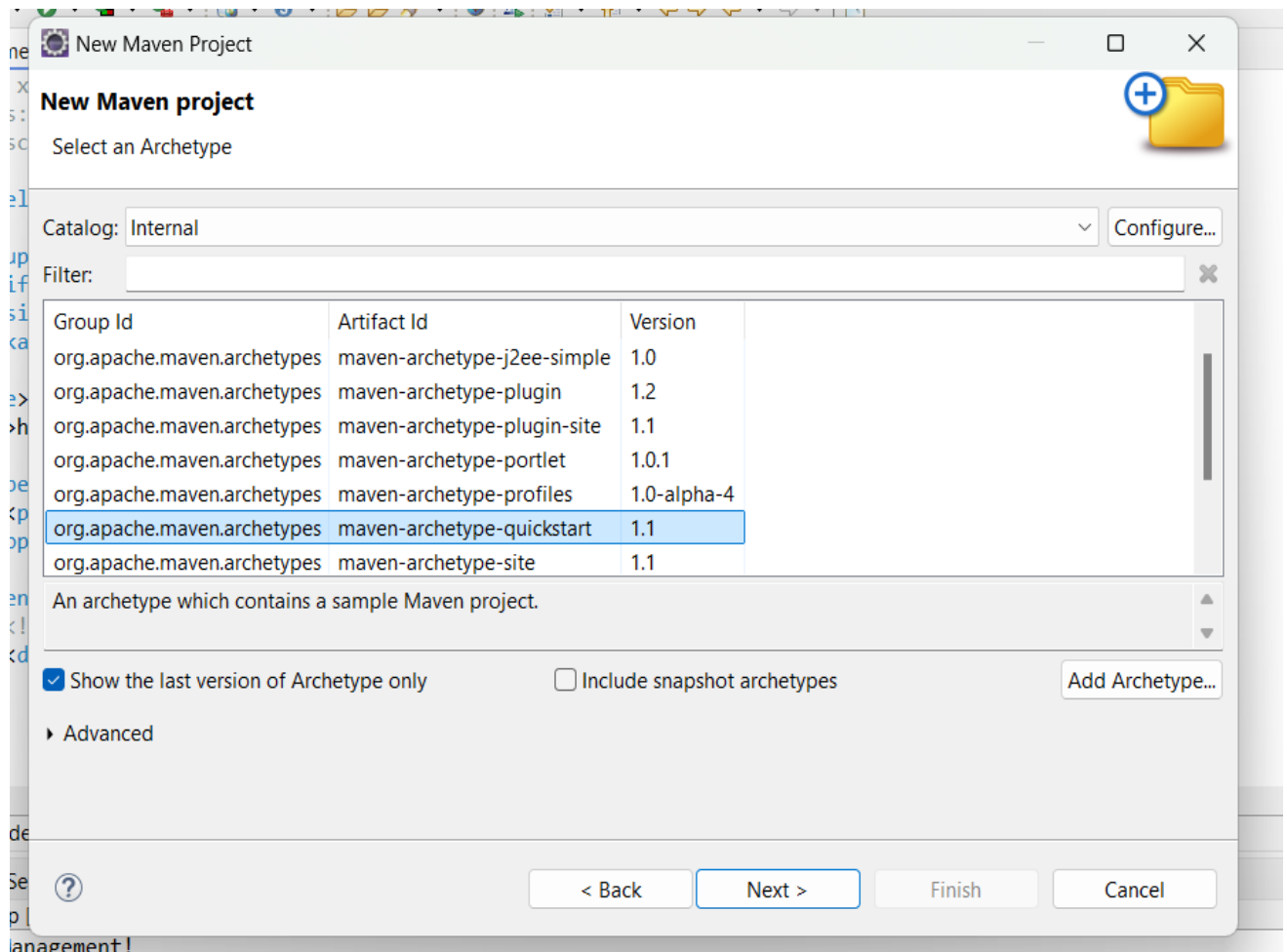


Assignment 03

Name-Pawar Rohit S.

Roll No-115 Div-B Batch-BT2





OverviewDependenciesDependency HierarchyEffective POMpom.xml

ProblemsServersTerminalData Source ExplorerPropertiesConsole

<terminated> C:\Program Files\Java\jdk-23\bin\javaw.exe (26 Feb 2025, 6:41:43 pm) [pid: 7452]
[INFO] Parameter: package, Value: Ass03.shop
[INFO] Parameter: groupId, Value: Ass03
[INFO] Parameter: artifactId, Value: shop
[INFO] Parameter: packageName, Value: Ass03.shop
[INFO] Parameter: version, Value: 0.0.1-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: C:\Users\ADMIN\eclipse-workspace\shop
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 29.424 s
[INFO] Finished at: 2025-02-26T18:42:15+05:30
[INFO] -----

maven dependencies - Google

google.com/search?q=maven+dependencies&loq=m&gs_lcrp=EgZjaHJvYWUqBggAEEUYOzIGCAAQRrg7MgYIARBFgDkyBggCEEUYOzIGCAMQRrg7MgYIBBBFGDwyBd

GmailYouTubeMapsDownloads

Google Chrome isn't your default browserSet as default

Google

maven dependencies

AllImagesVideosShoppingForumsBooksNewsMoreTools

Maven Repository

https://mvnrepository.com

Maven Repository: Search/Browse/Explore

The REST Builder Gradle plugin lets you generate a Liferay REST service layer defined in a rest.yaml file. Last Release on Feb 25, 2025.

PopularMavenTesting Frameworks & ToolsTop Categories

People also ask

What are the Maven dependencies?

What is Maven provided dependency?

What is the Maven repository?

maven repository: mysql.com

mvnrepository.com/search?q=mysql+Connector

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JCenter252

WSO2 Public214

JBoss Repo213

WSO2 Releases186

Group

org.apache1.5k

org.mule360

io.github261

com.github243

com.mulesoft243

io.fabric8235

org.wso2222

org.teiid202

MySQL Connector/J

MySQL Connector/J is a JDBC Type 4 driver, which means that it is pure Java implementation of the MySQL protocol and does not rely on the MySQL client libraries. This driver supports auto-registration with the Driver Manager, standardized validity checks, categorized SQLExceptions, support for large update counts, support for local and offset date-time variants from the java.time package, support for JDBC-4.x XML processing, support for per connection client information and support for the NCHAR, NVARCHAR ...

Last Release on Jan 21, 2025

2. MySQL Connector Java

mysql » mysql-connector-java

MySQL Connector/J is a JDBC Type 4 driver, which means that it is pure Java implementation of the MySQL protocol and does not rely on the MySQL client libraries. This driver supports auto-registration with the Driver Manager, standardized validity checks, categorized SQLExceptions, support for large update counts, support for local and offset date-time variants from the java.time package, support for JDBC-4.x XML processing, support for per connection client information and support for the NCHAR, NVARCHAR ...

Last Release on Apr 18, 2023

Relocated -- com.mysql » mysql-connector-j

3. MySQL Connector/MXJ

74 usages

Non-terrors

WSO2 Public

JCenter

Sonatype

KtorEAP

Atlassian 3rdParty

Gigaspaces

Popular Tags

aar android apache

application arm assets build

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eclipse example extension fra

github gradle groovy ios j

Maven Repository: mysql > my

mvnrepository.com/artifact/mysql/mysql-connector-java/8.0.33

Gmail YouTube Maps Downloads

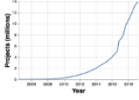
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HTTP Clients

Home > mysql > mysql-connector-java > 8.0.33



MySQL Connector Java » 8.0.33

MySQL Connector/J is a JDBC Type 4 driver, which means that it is pure Java implementation of the MySQL protocol and does not rely on the MySQL client libraries. This driver supports auto-registration with the Driver Manager, standardized validity checks, categorized SQLExceptions, support for large update counts, support for local and offset date-time variants from the java.time package, support for JDBC-4.x XML processing, support for per connection client information and support for the NCHAR, NVARCHAR ...

| | |
|-----------------|--|
| Categories | JDBC Drivers |
| Tags | database sql jdbc driver connector rdbsms mysql connection |
| Date | Apr 18, 2023 |
| Files | pom (2 KB) jar View All |
| Repositories | Central Alfresco Fil2Cloud IceCreamQAQ Loeyae Mulesoft |
| Ranking | #72 in MvnRepository (See Top Artifacts) #1 in JDBC Drivers |
| Used By | 8,138 artifacts |
| Vulnerabilities | Direct vulnerabilities: CVE-2023-22102 |

This artifact was moved to:

com.mysql > mysql-connector-j

Indexed Repositories (2872)

Central

Atlassian

WSO2 Releases

Hortonworks

WSO2 Public

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Atlassian 3rdParty

Gigaspace

Popular Tags

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This artifact was moved to:

com.mysql > mysql-connector-j

MySQL Connector/J artifacts moved to reverse-DNS compliant Maven 2+ coordinates.

Maven Gradle Gradle (Short) Gradle (Kotlin) SBT Ivy Grape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
<dependency>
  <groupId>mysql</groupId>
  <artifactId>mysql-connector-java</artifactId>
  <version>8.0.33</version>
</dependency>
```

☒ Include comment with link to declaration

Copied to clipboard!

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n

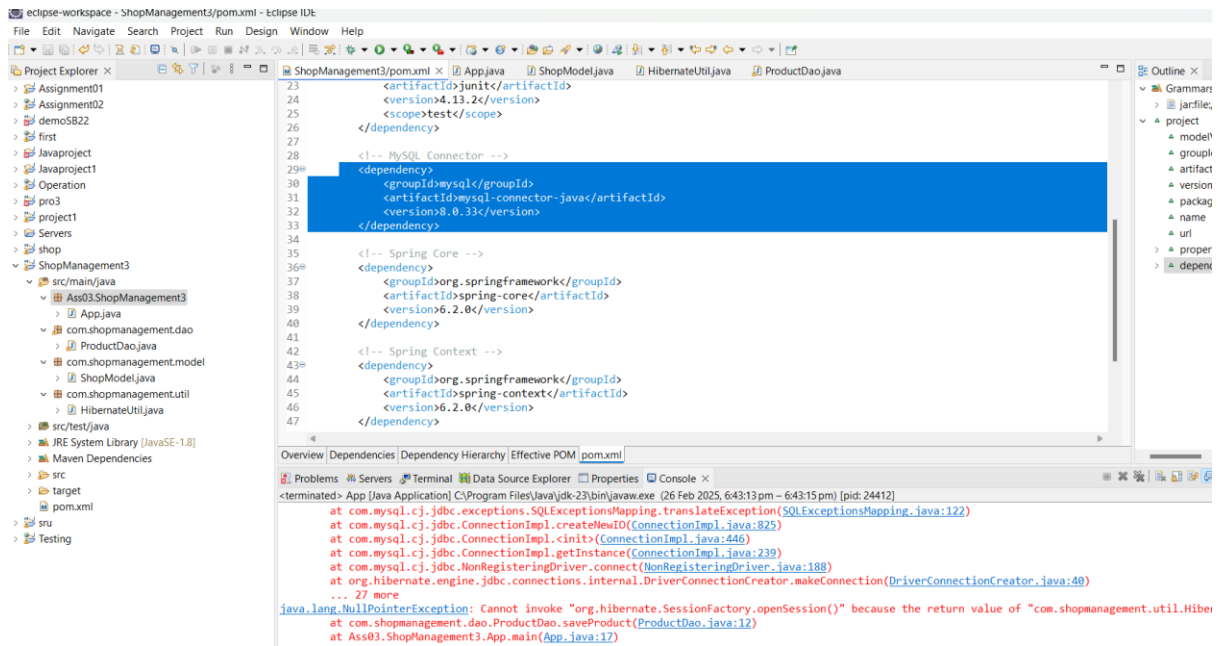
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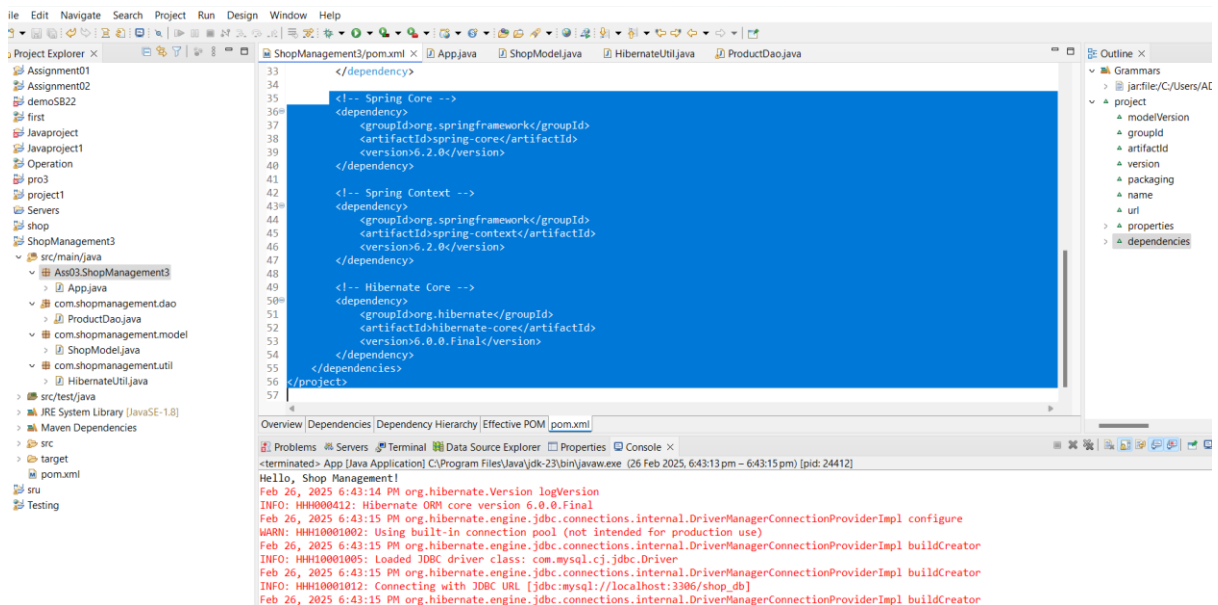
Power



```

<dependency>
  <groupId>mysql</groupId>
  <artifactId>mysql-connector-java</artifactId>
  <version>8.0.33</version>
</dependency>

```



```

<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-core</artifactId>

```

```
        <version>6.2.0</version>
    </dependency>

    <!-- Spring Context -->
    <dependency>
        <groupId>org.springframework</groupId>
        <artifactId>spring-context</artifactId>
        <version>6.2.0</version>
    </dependency>

    <!-- Hibernate Core -->
    <dependency>
        <groupId>org.hibernate</groupId>
        <artifactId>hibernate-core</artifactId>
        <version>6.0.0.Final</version>
    </dependency>
```

Assignment02

34

New >

Go Into

Show In Alt+Shift+W >

Copy Ctrl+C

Copy Qualified Name

Paste Ctrl+V

Delete Delete

Remove from Context Ctrl+Alt+Shift+Down

Build Path >

Source Alt+Shift+S >

Refactor Alt+Shift+T >

Import...

Export...

Refresh F5

Close Project

Close Unrelated Projects

Source >

Search... Ctrl+H

Coverage As >

Run As >

Debug As >

Profile As >

Restore from Local History... >

Maven >

Team >

Compare With >

Configure >

Source >

Validate

Project...

Maven Module

File

Folder

SQL File

Annotation

Class

Enum

Interface

Package

Record

Source Folder

Example...

Other... Ctrl+N

Dependencies

Dependency Hierarchy

Effect

Servers

Terminal

Data Source E

op [Java Application] C:\Program Files\J

Management!

6:43:14 PM org.hibernate.Ver

412: Hibernate ORM core versi

6:43:15 PM org.hibernate.eng

01002: Using built-in connect

6:43:15 PM org.hibernate.eng

01005: Loaded JDBC driver cla

6:43:15 PM org.hibernate.eng

01012: Connecting with JDBC U

6:43:15 PM org.hibernate.eng

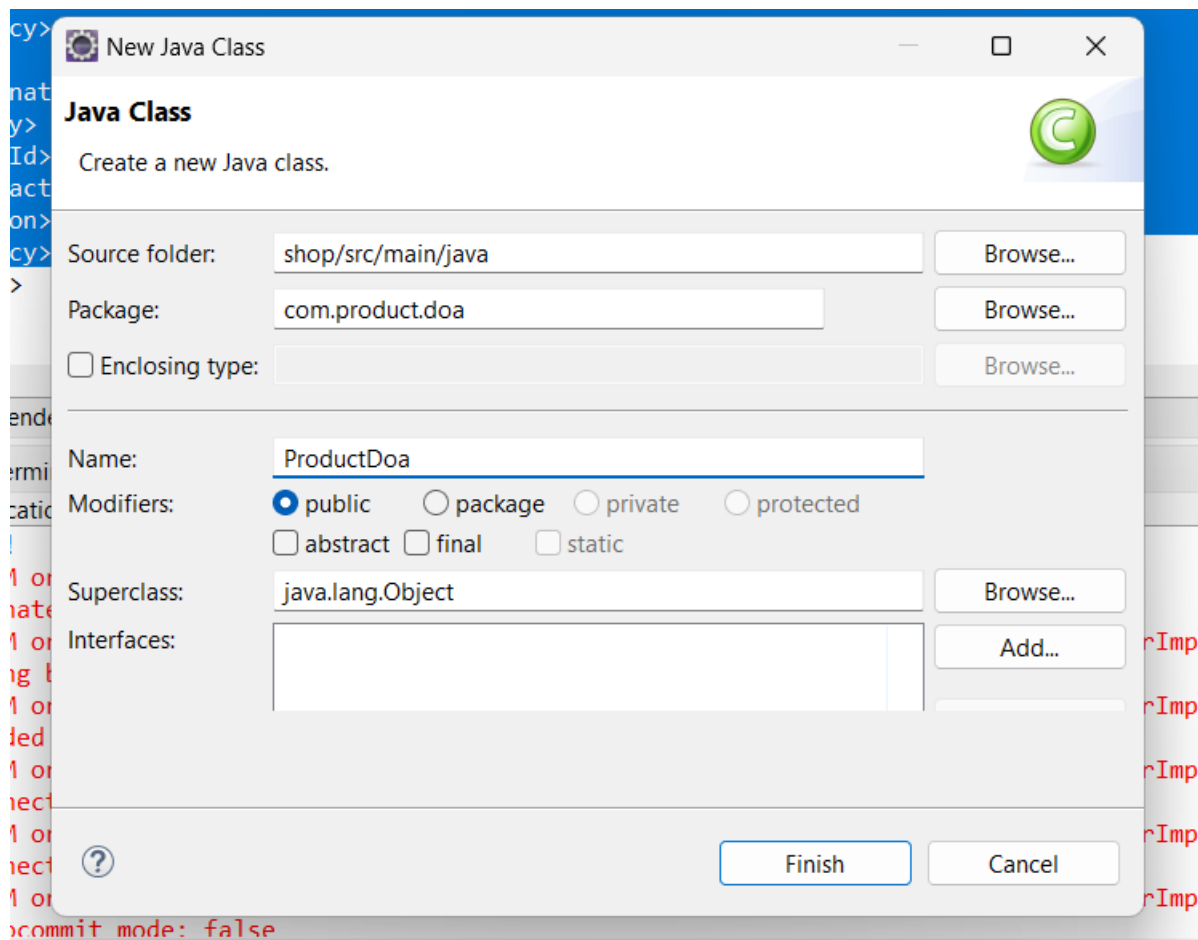
01001: Connection properties:

6:43:15 PM org.hibernate.eng

01003: Autocommit mode: false

shop

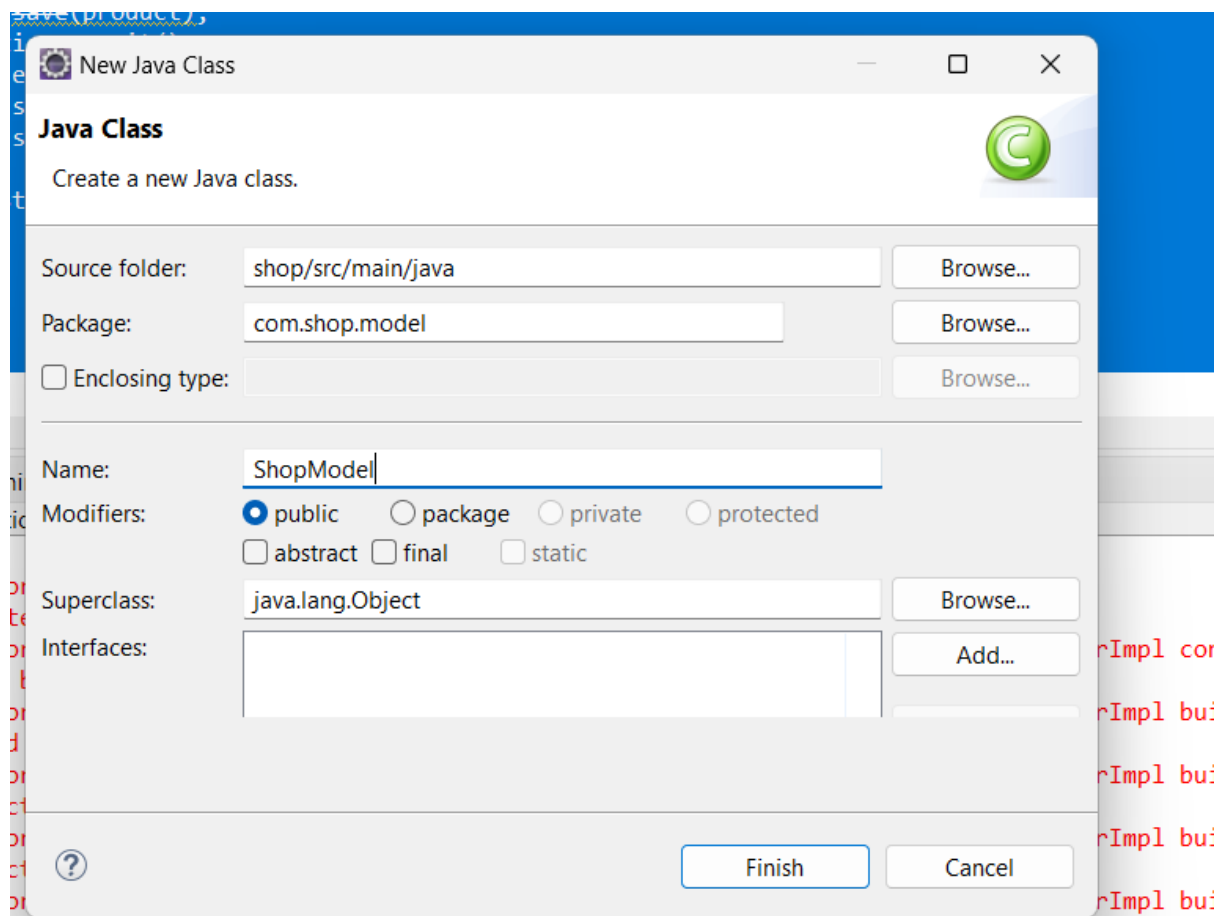
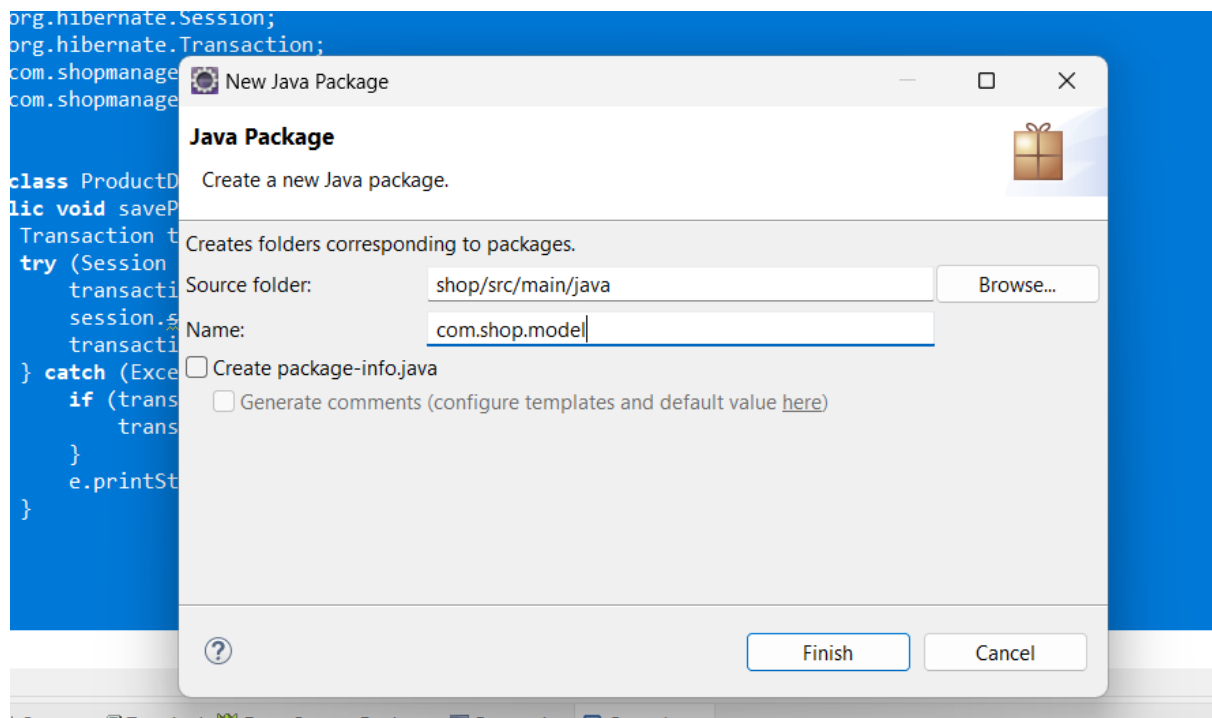
Properties Alt+Enter



```
package com.shopmanagement.dao;
```

```
import org.hibernate.Session;  
import org.hibernate.Transaction;  
import com.shopmanagement.util.HibernateUtil;  
import com.shopmanagement.model.ShopModel;
```

```
public class ProductDao {  
    public void saveProduct(ShopModel product) {  
        Transaction transaction = null;  
        try (Session session = HibernateUtil.getSessionFactory().openSession()) {  
            transaction = session.beginTransaction();  
            session.save(product);  
            transaction.commit();  
        } catch (Exception e) {  
            if (transaction != null) {  
                transaction.rollback();  
            }  
            e.printStackTrace();  
        }  
    }  
}
```

```
package com.shopmanagement.model;
```

```
import jakarta.persistence.*;
```

```

@Entity
@Table(name = "shop_products")
public class ShopModel {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;

    private String name;
    private String category;
    private double price;
    private int quantity;

    public ShopModel() {}

    public ShopModel(String name, String category, double price, int quantity) {
        this.name = name;
        this.category = category;
        this.price = price;
        this.quantity = quantity;
    }

    public int getId() { return id; }
    public void setId(int id) { this.id = id; }

    public String getName() { return name; }
    public void setName(String name) { this.name = name; }

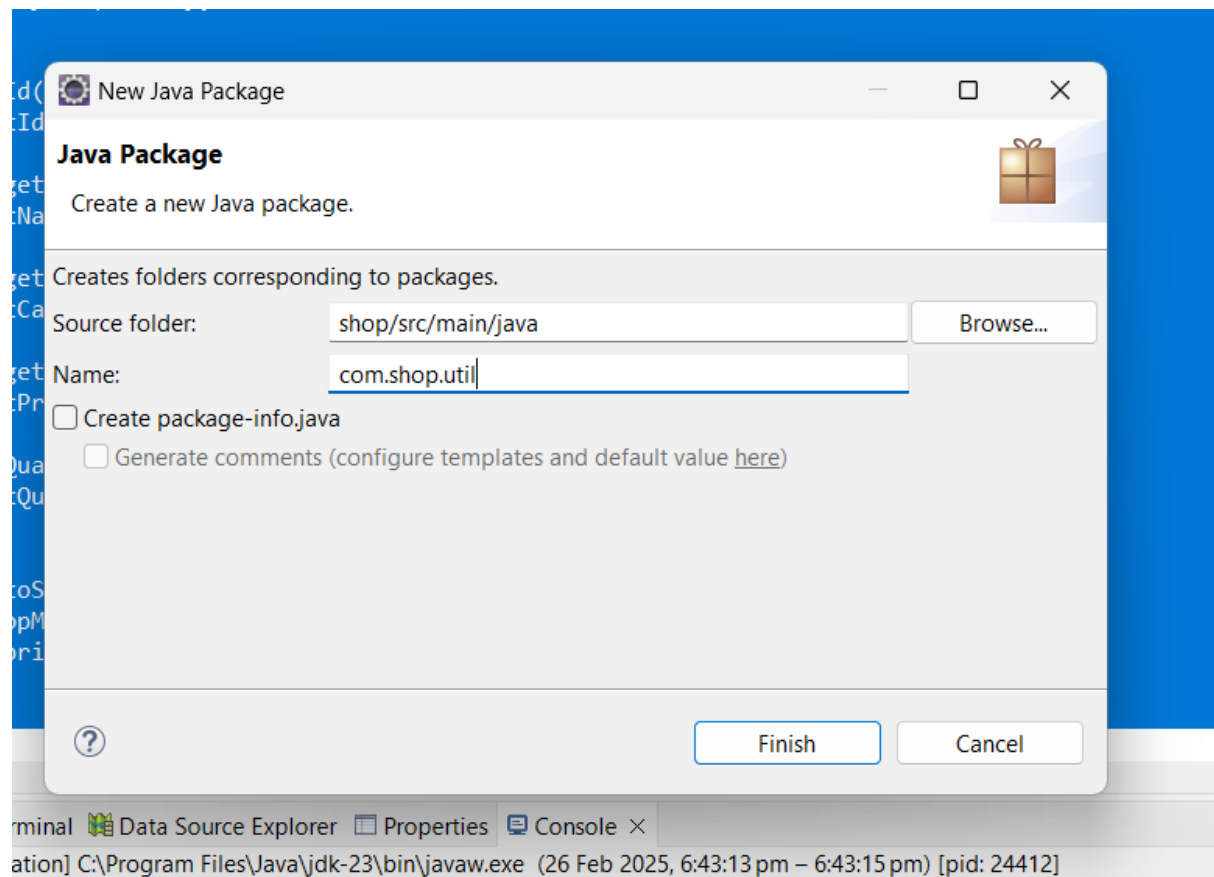
    public String getCategory() { return category; }
    public void setCategory(String category) { this.category = category; }

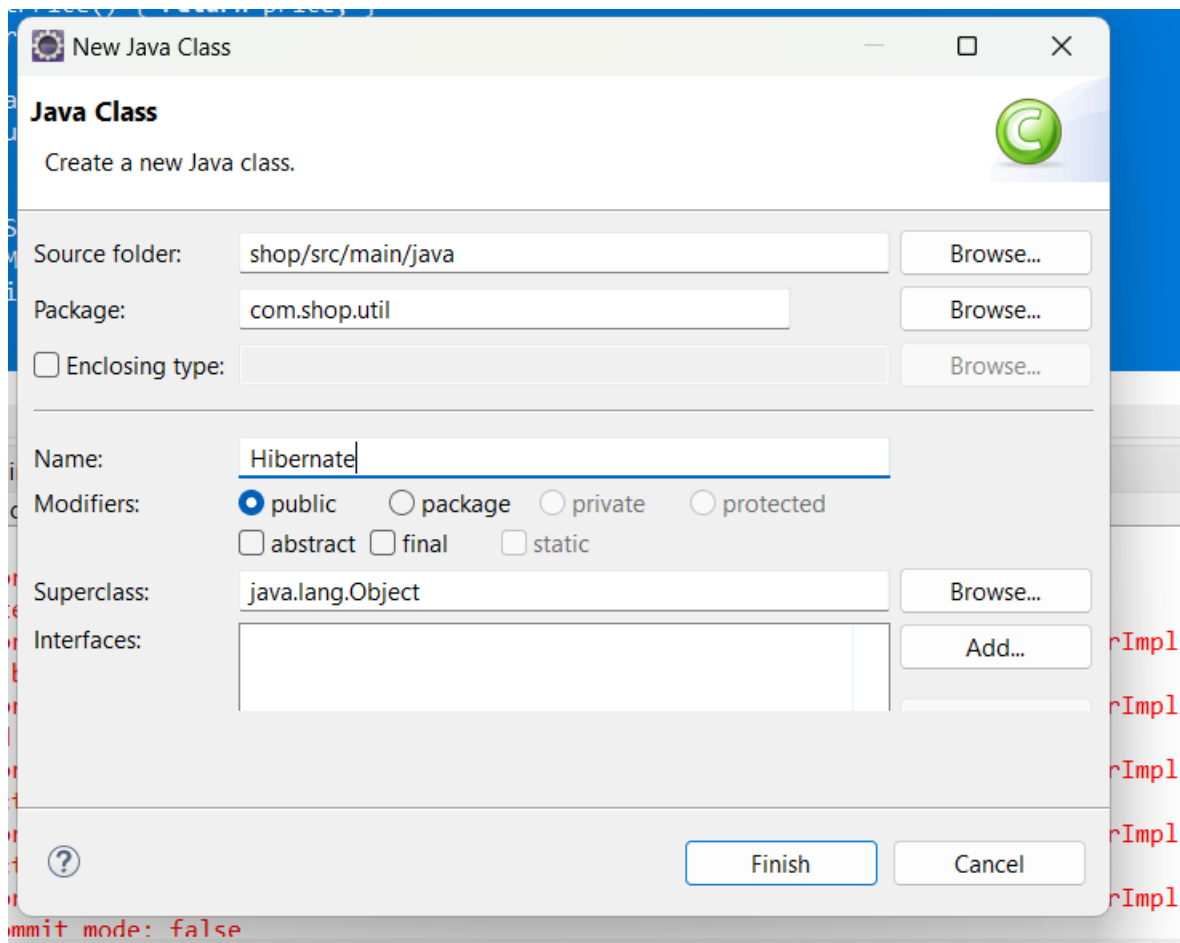
    public double getPrice() { return price; }
    public void setPrice(double price) { this.price = price; }

    public int getQuantity() { return quantity; }
    public void setQuantity(int quantity) { this.quantity = quantity; }

    @Override
    public String toString() {
        return "ShopModel [id=" + id + ", name=" + name + ", category=" + category
+
        ", price=" + price + ", quantity=" + quantity + "];"
    }
}

```





```
package com.shopmanagement.util;

import java.util.Properties;
import org.hibernate.SessionFactory;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
import org.hibernate.cfg.Configuration;
import org.hibernate.cfg.Environment;
import org.hibernate.service.ServiceRegistry;
import com.shopmanagement.model.ShopModel;

public class HibernateUtil {
    private static SessionFactory sessionFactory;

    public static SessionFactory getSessionFactory() {
        if (sessionFactory == null) {
            try {
                Configuration configuration = new Configuration();

                Properties settings = new Properties();
                settings.put(Environment.DRIVER, "com.mysql.cj.jdbc.Driver");
                settings.put(Environment.URL,
"jdbc:mysql://localhost:3306/shop_db");
                settings.put(Environment.USER, "root");
                settings.put(Environment.PASS, "");
```

```

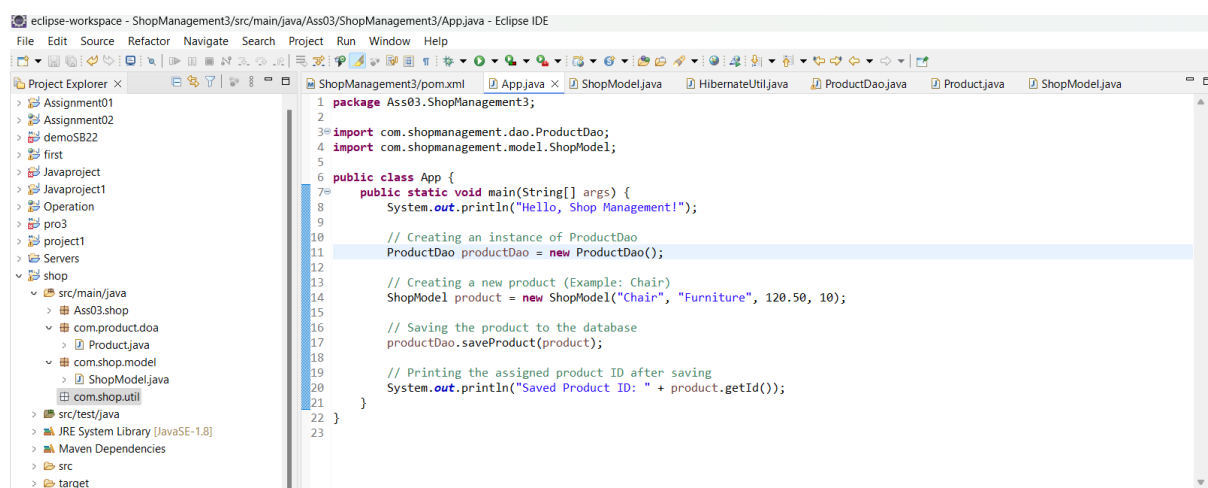
        settings.put(Environment.DIALECT,
"org.hibernate.dialect.MySQL8Dialect");
        settings.put(Environment.SHOW_SQL, "true");
        settings.put(Environment.CURRENT_SESSION_CONTEXT_CLASS, "thread");
        settings.put(Environment.HBM2DDL_AUTO, "update");

        configuration.setProperties(settings);
        configuration.addAnnotatedClass(ShopModel.class);

        ServiceRegistry serviceRegistry = new
StandardServiceRegistryBuilder()
            .applySettings(configuration.getProperties()).build();
        sessionFactory =
configuration.buildSessionFactory(serviceRegistry);

    } catch (Exception e) {
        e.printStackTrace();
    }
}
return sessionFactory;
}
}

```



```

package Ass03.ShopManagement3;

import com.shopmanagement.dao.ProductDao;
import com.shopmanagement.model.ShopModel;

public class App {
    public static void main(String[] args) {
        System.out.println("Hello, Shop Management!");

        // Creating an instance of ProductDao
        ProductDao productDao = new ProductDao();

        // Creating a new product (Example: Chair)
        ShopModel product = new ShopModel("Chair", "Furniture", 120.50, 10);
    }
}

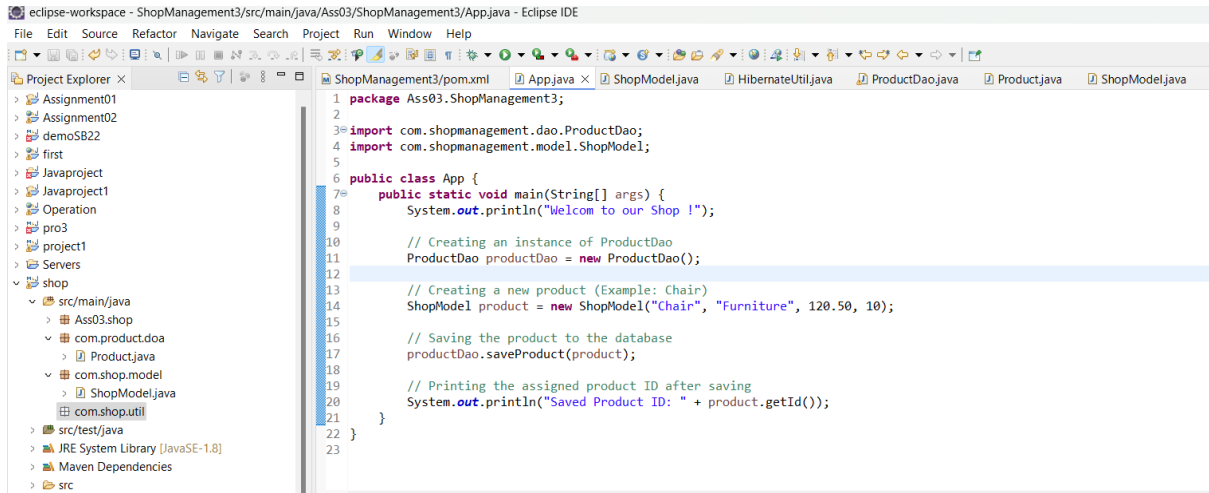
```

```

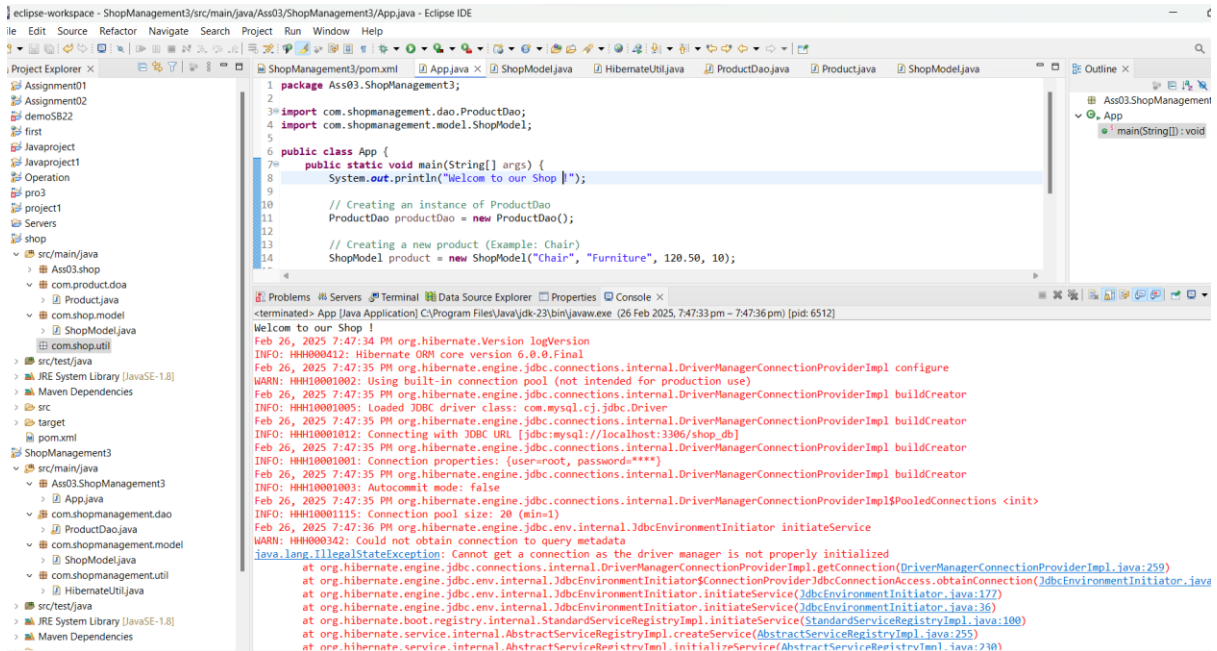
// Saving the product to the database
productDao.saveProduct(product);

// Printing the assigned product ID after saving
System.out.println("Saved Product ID: " + product.getId());
}
}

```



Output:



INFO: HHH000400: Using dialect: org.hibernate.dialect.MySQLDialect

WARN: HHH000206: MySQL5Dialect has been deprecated; use org.hibernate.dialect.MySQLDialect instead

INFO: HHH10001051: Connection obtained from JdbcConnectionAccess

Hibernate: create table Shop1 (productId integer not null auto_increment, 'Product Category' varchar(255), 'Product Name' varchar(255), primary key (productId)) engine=MyISAM

Hibernate: insert into Shop1 ('Product Category', 'Product Name') values (?, ?)