Java Full Stack application with Hibernate CRUD operations

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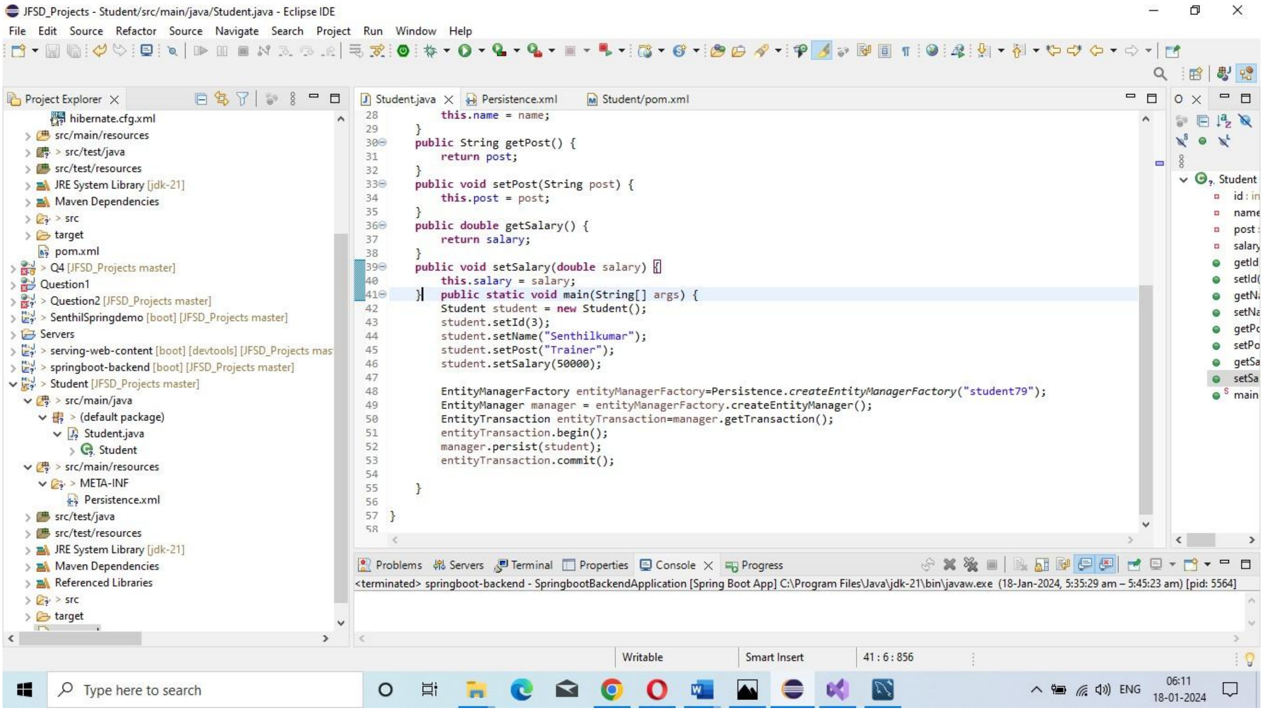
Student.java

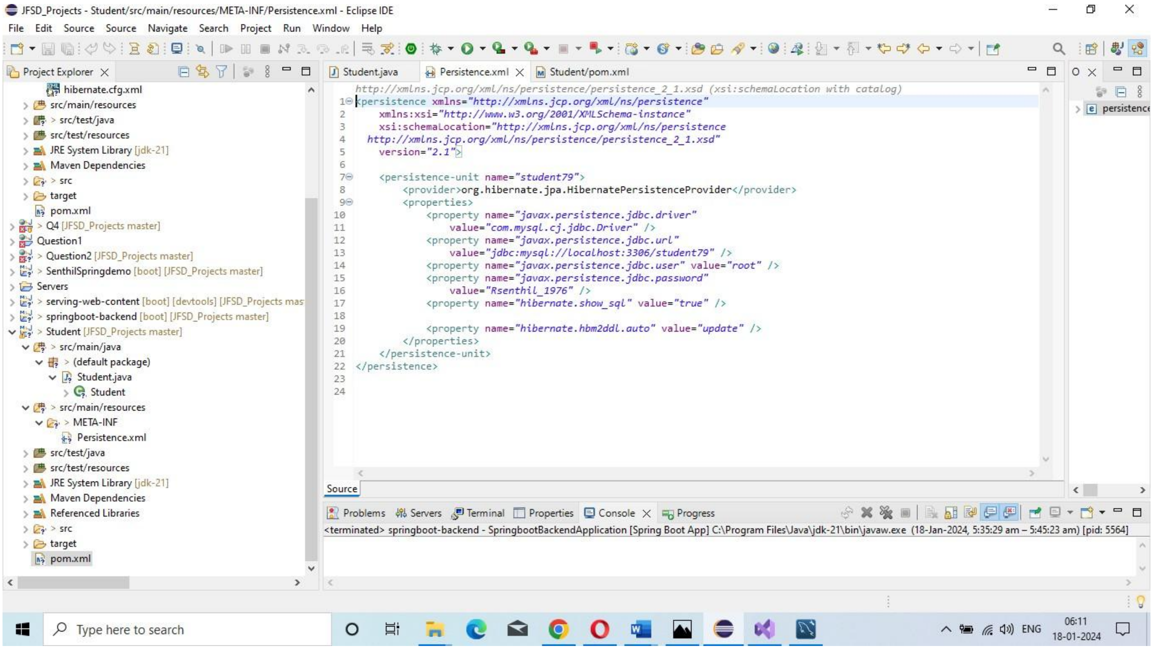


JFSD_Projects - Student/src/main/java/Student.java - Eclipse IDE

```java
        this.name = name;
    }
    public String getPost() {
        return post;
    }
    public void setPost(String post) {
        this.post = post;
    }
    public double getSalary() {
        return salary;
    }
    public void setSalary(double salary) {
        this.salary = salary;
    }   public static void main(String[] args) {
        Student student = new Student();
        student.setId(3);
        student.setName("Senthilkumar");
        student.setPost("Trainer");
        student.setSalary(50000);

        EntityManagerFactory entityManagerFactory=Persistence.createEntityManagerFactory("student79");
        EntityManager manager = entityManagerFactory.createEntityManager();
        EntityTransaction entityTransaction=manager.getTransaction();
        entityTransaction.begin();
        manager.persist(student);
        entityTransaction.commit();

    }

}
```

```
<terminated> springboot-backend - SpringbootBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-21\bin\javaw.exe (18-Jan-2024, 5:35:29 am – 5:45:23 am) [pid: 5564]
```

Persistence.xml

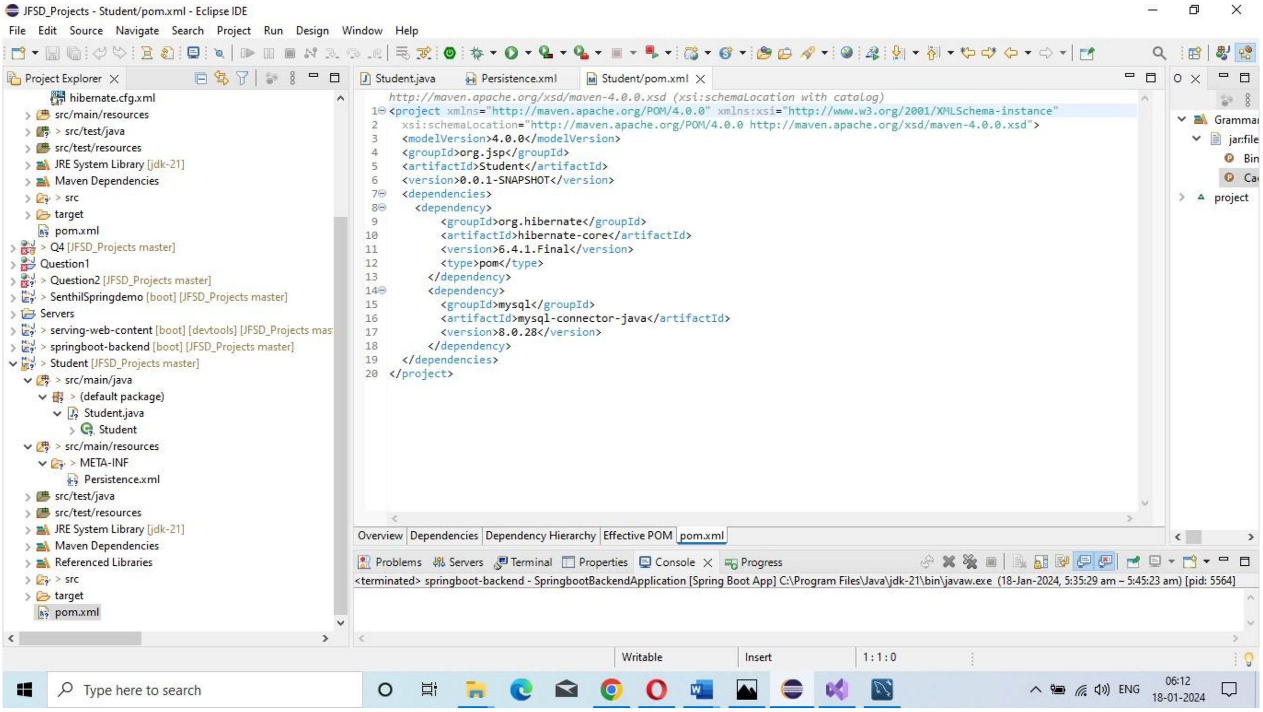


JFSD_Projects - Student/src/main/resources/META-INF/Persistence.xml - Eclipse IDE

```xml
http://xmlns.jcp.org/xml/ns/persistence/persistence_2_1.xsd (xsi:schemaLocation with catalog)
<persistence xmlns="http://xmlns.jcp.org/xml/ns/persistence"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/persistence
  http://xmlns.jcp.org/xml/ns/persistence/persistence_2_1.xsd"
    version="2.1">

    <persistence-unit name="student79">
        <provider>org.hibernate.jpa.HibernatePersistenceProvider</provider>
        <properties>
            <property name="javax.persistence.jdbc.driver"
                value="com.mysql.cj.jdbc.Driver" />
            <property name="javax.persistence.jdbc.url"
                value="jdbc:mysql://localhost:3306/student79" />
            <property name="javax.persistence.jdbc.user" value="root" />
            <property name="javax.persistence.jdbc.password"
                value="Rsenthil_1976" />
            <property name="hibernate.show_sql" value="true" />

            <property name="hibernate.hbm2ddl.auto" value="update" />
        </properties>
    </persistence-unit>
</persistence>
```

```
<terminated> springboot-backend - SpringbootBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-21\bin\javaw.exe (18-Jan-2024, 5:35:29 am – 5:45:23 am) [pid: 5564]
```

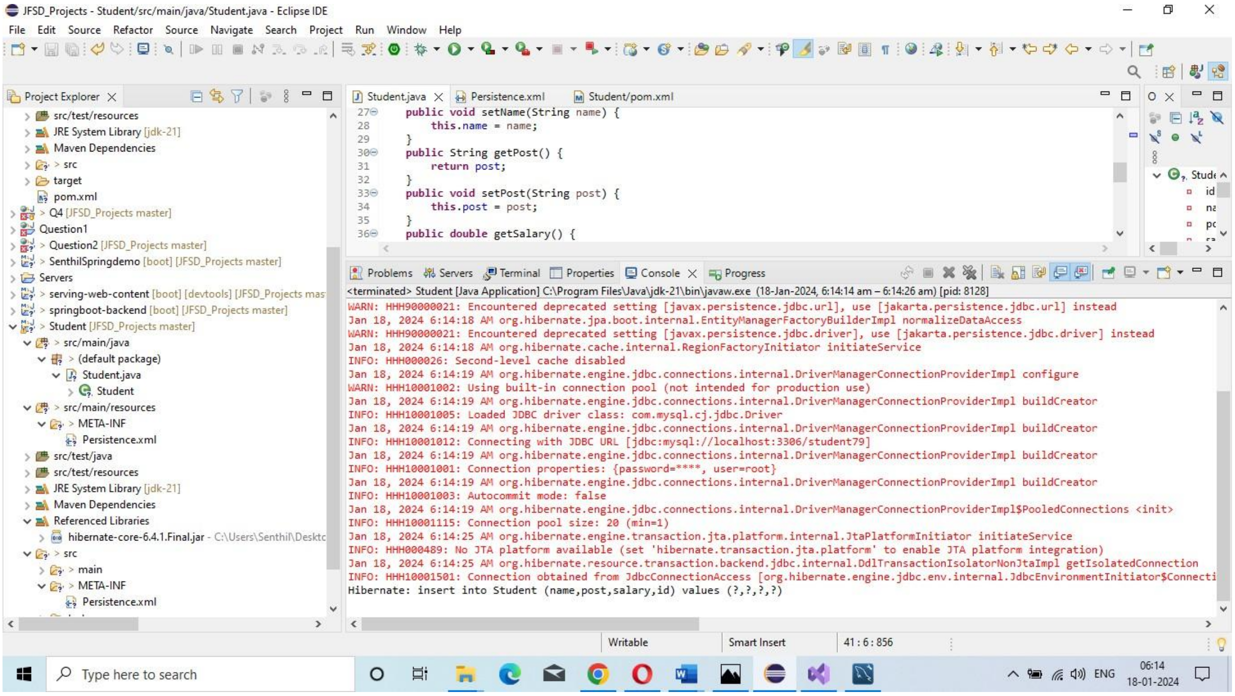
Pom.xml



```
http://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation with catalog)
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>org.jsp</groupId>
  <artifactId>Student</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <dependency>
        <groupId>org.hibernate</groupId>
        <artifactId>hibernate-core</artifactId>
        <version>6.4.1.Final</version>
        <type>pom</type>
      </dependency>
      <dependency>
        <groupId>mysql</groupId>
        <artifactId>mysql-connector-java</artifactId>
        <version>8.0.28</version>
      </dependency>
  </dependencies>
</project>
```

```
<terminated> springboot-backend - SpringbootBackendApplication [Spring Boot App] C:\Program Files\Java\jdk-21\bin\javaw.exe (18-Jan-2024, 5:35:29 am – 5:45:23 am) [pid: 5564]
```

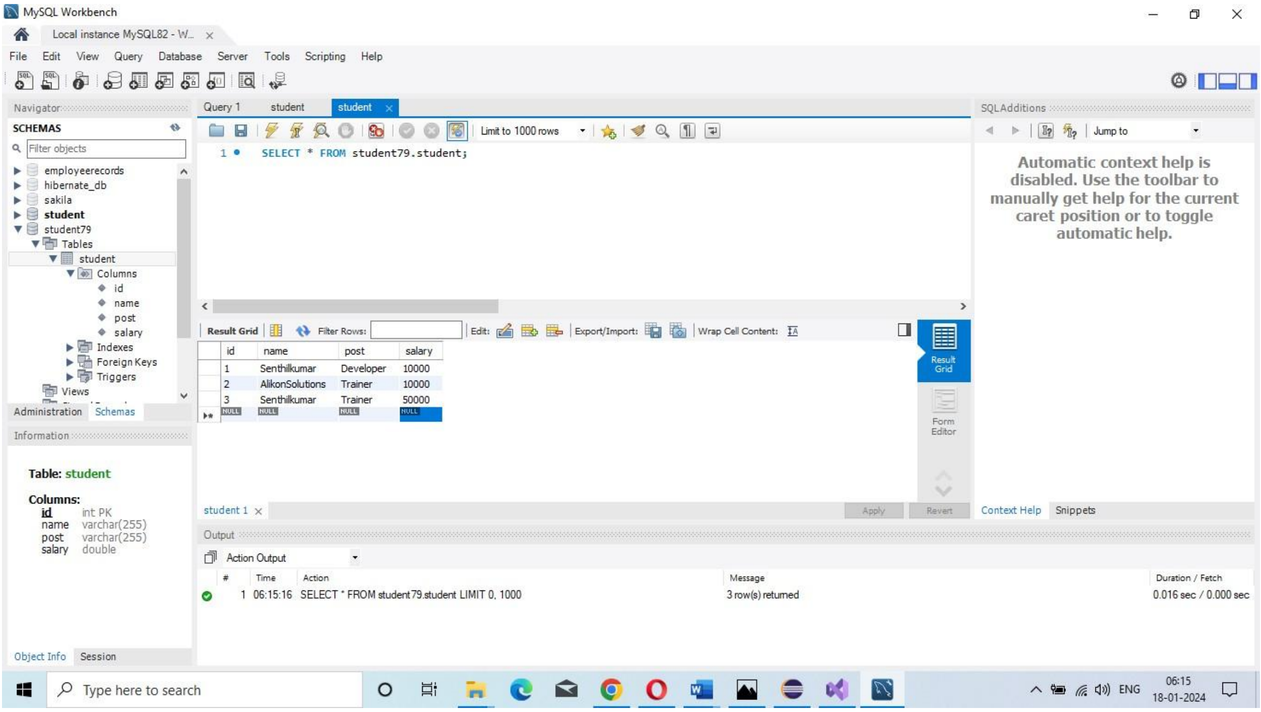
Output



```
    public void setName(String name) {
        this.name = name;
    }
    public String getPost() {
        return post;
    }
    public void setPost(String post) {
        this.post = post;
    }
    public double getSalary() {
```

```
<terminated> Student [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (18-Jan-2024, 6:14:14 am – 6:14:26 am) [pid: 8128]
WARN: HHH90000021: Encountered deprecated setting [javax.persistence.jdbc.url], use [jakarta.persistence.jdbc.url] instead
Jan 18, 2024 6:14:18 AM org.hibernate.jpa.boot.internal.EntityManagerFactoryBuilderImpl normalizeDataAccess
WARN: HHH90000021: Encountered deprecated setting [javax.persistence.jdbc.driver], use [jakarta.persistence.jdbc.driver] instead
Jan 18, 2024 6:14:18 AM org.hibernate.cache.internal.RegionFactoryInitiator initiateService
INFO: HHH000026: Second-level cache disabled
Jan 18, 2024 6:14:19 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl configure
WARN: HHH10001002: Using built-in connection pool (not intended for production use)
Jan 18, 2024 6:14:19 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001005: Loaded JDBC driver class: com.mysql.cj.jdbc.Driver
Jan 18, 2024 6:14:19 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001012: Connecting with JDBC URL [jdbc:mysql://localhost:3306/student79]
Jan 18, 2024 6:14:19 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001001: Connection properties: {password=****, user=root}
Jan 18, 2024 6:14:19 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl buildCreator
INFO: HHH10001003: Autocommit mode: false
Jan 18, 2024 6:14:19 AM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl$PooledConnections <init>
INFO: HHH10001115: Connection pool size: 20 (min=1)
Jan 18, 2024 6:14:25 AM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration)
Jan 18, 2024 6:14:25 AM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConnection
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator$Connecti
Hibernate: insert into Student (name,post,salary,id) values (?,?,?,?)
```

MySQL Workbench: DB- student60



```
1 ● SELECT * FROM student79.student;
```

	id	name	post	salary
	1	Senthilkumar	Developer	10000
	2	AlikonSolutions	Trainer	10000
	3	Senthilkumar	Trainer	50000
▸*	NULL	NULL	NULL	NULL

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

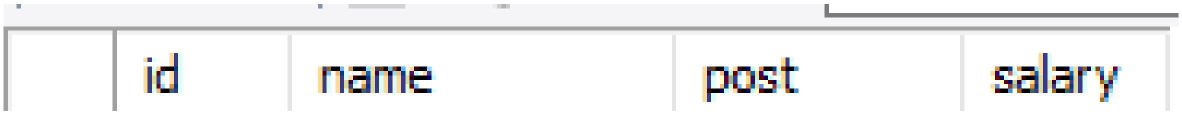
Table: student

Columns:

id	int PK
name	varchar(255)
post	varchar(255)
salary	double

```
   #  Time      Action                                       Message             Duration / Fetch
✓  1  06:15:16  SELECT * FROM student79.student LIMIT 0, 1000  3 row(s) returned   0.016 sec / 0.000 sec
```

Student60-Database



	id	name	post	salary