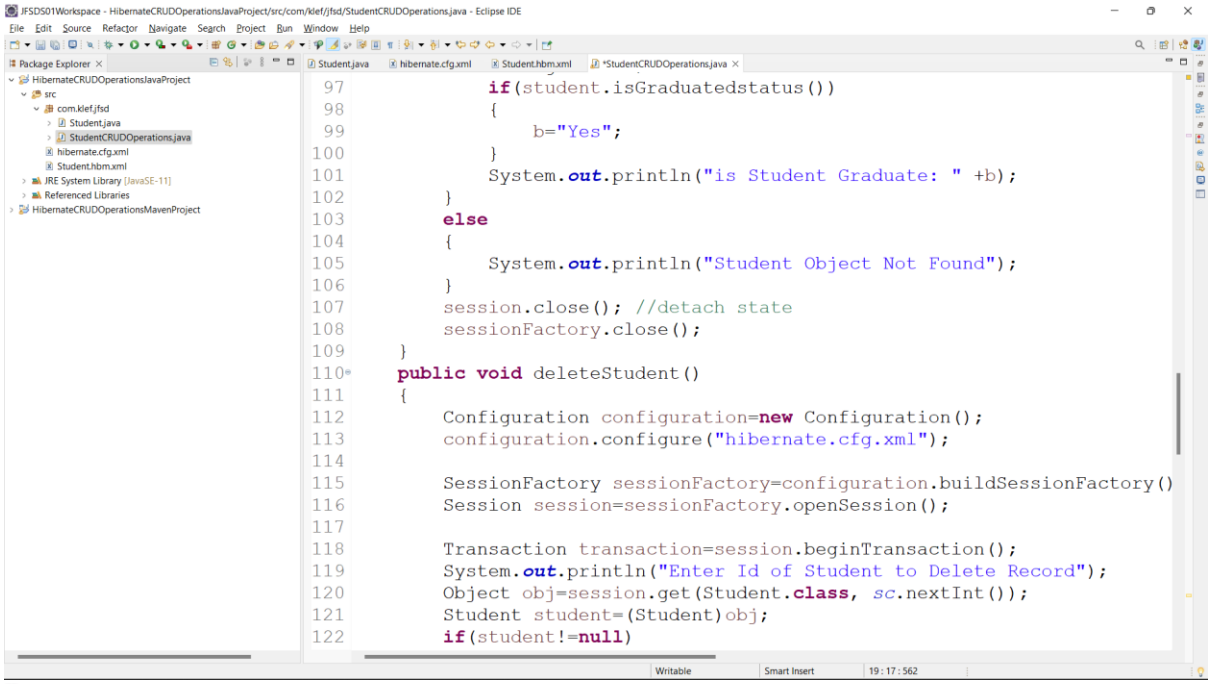
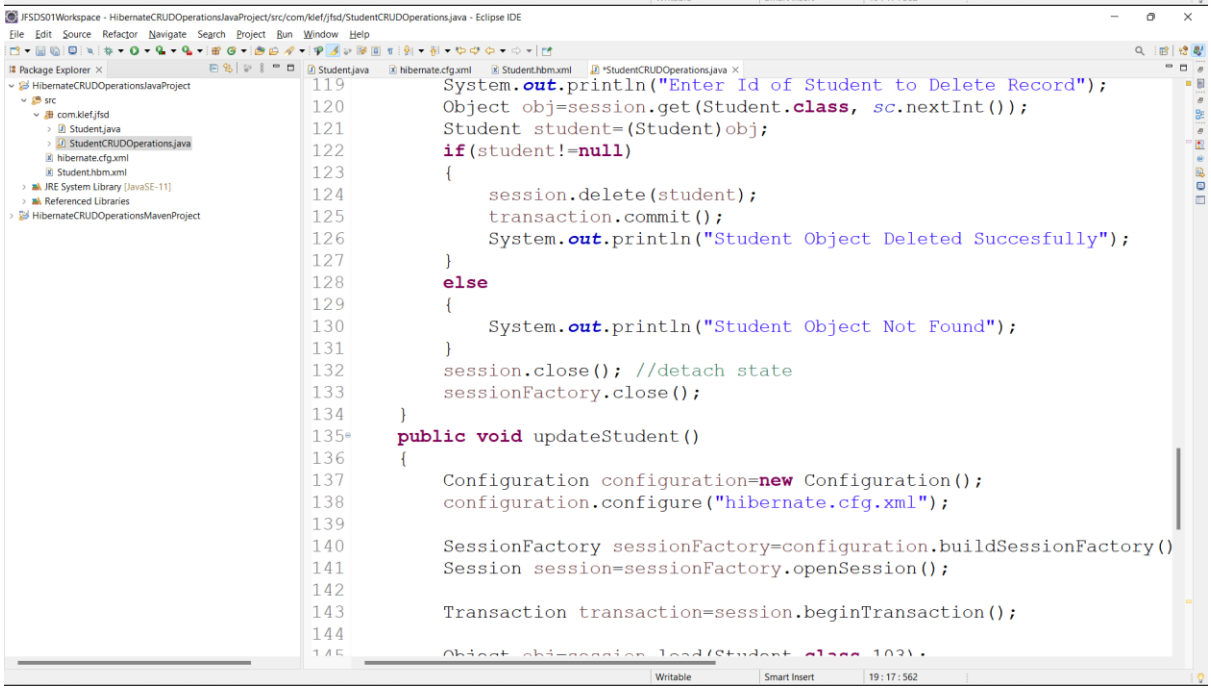

JFSDS01Workspace - HibernateCRUDOperationsJavaProject/src/com/klef/jfsd/StudentCRUDOperations.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
HibernateCRUDOperationsJavaProject
src
com.klef.jfsd
Student.java
StudentCRUDOperations.java
hibernate.cfg.xml
Student.hbm.xml
JRE System Library [JavaSE-11]
Referenced Libraries
HibernateCRUDOperationsMavenProject
Student.java
hibernate.cfg.xml
Student.hbm.xml
*StudentCRUDOperations.java
97 if(student.isGraduatedstatus())
98 {
99 b="Yes";
100 }
101 System.out.println("is Student Graduate: " +b);
102 }
103 else
104 {
105 System.out.println("Student Object Not Found");
106 }
107 session.close(); //detach state
108 sessionFactory.close();
109 }
110 public void deleteStudent()
111 {
112 Configuration configuration=new Configuration();
113 configuration.configure("hibernate.cfg.xml");
114
115 SessionFactory sessionFactory=configuration.buildSessionFactory()
116 Session session=sessionFactory.openSession();
117
118 Transaction transaction=session.beginTransaction();
119 System.out.println("Enter Id of Student to Delete Record");
120 Object obj=session.get(Student.class, sc.nextInt());
121 Student student=(Student)obj;
122 if(student!=null)
Writable
Smart Insert
19 : 17 : 562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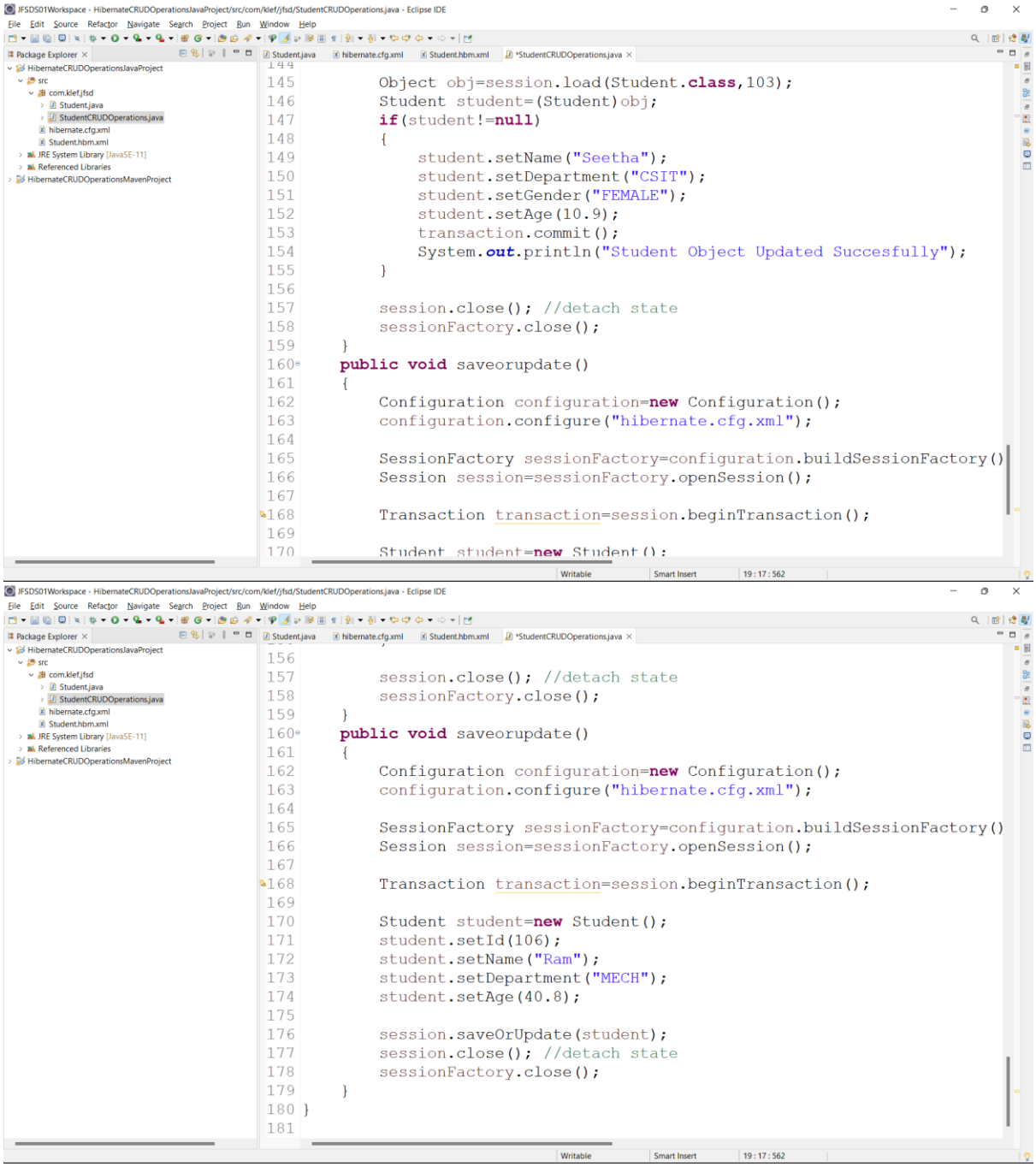
Student.hbm.xml
*StudentCRUDOperations.java
119 System.out.println("Enter Id of Student to Delete Record");
120 Object obj=session.get(Student.class, sc.nextInt());
121 Student student=(Student)obj;
122 if(student!=null)
123 {
124 session.delete(student);
125 transaction.commit();
126 System.out.println("Student Object Deleted Succesfully");
127 }
128 else
129 {
130 System.out.println("Student Object Not Found");
131 }
132 session.close(); //detach state
133 sessionFactory.close();
134 }
135 public void updateStudent()
136 {
137 Configuration configuration=new Configuration();
138 configuration.configure("hibernate.cfg.xml");
139
140 SessionFactory sessionFactory=configuration.buildSessionFactory()
141 Session session=sessionFactory.openSession();
142
143 Transaction transaction=session.beginTransaction();
144
Writable
Smart Insert
19 : 17 : 562

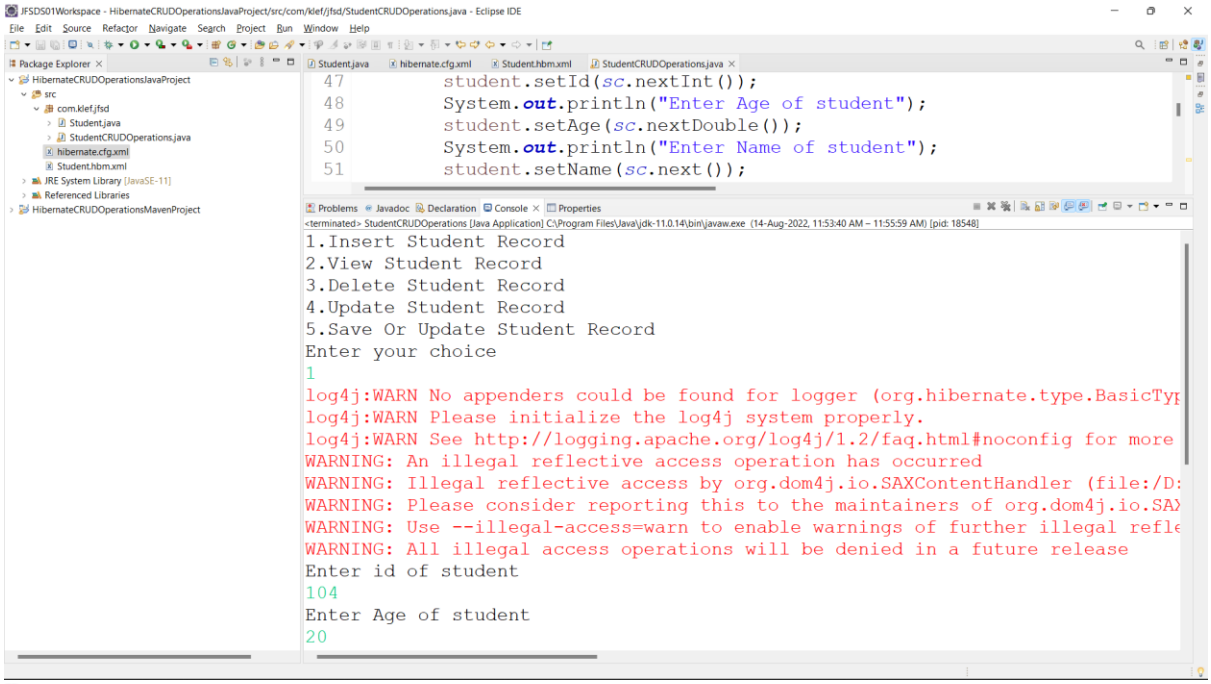


```
        Object obj=session.load(Student.class,103);
        Student student=(Student)obj;
        if(student!=null)
        {
            student.setName("Seetha");
            student.setDepartment("CSIT");
            student.setGender("FEMALE");
            student.setAge(10.9);
            transaction.commit();
            System.out.println("Student Object Updated Succesfully");
        }

        session.close(); //detach state
        sessionFactory.close();
    }
    public void saveorupdate()
    {
        Configuration configuration=new Configuration();
        configuration.configure("hibernate.cfg.xml");

        SessionFactory sessionFactory=configuration.buildSessionFactory()
        Session session=sessionFactory.openSession();

        Transaction transaction=session.beginTransaction();

        Student student=new Student();
```



```
        session.close(); //detach state
        sessionFactory.close();
    }
    public void saveorupdate()
    {
        Configuration configuration=new Configuration();
        configuration.configure("hibernate.cfg.xml");

        SessionFactory sessionFactory=configuration.buildSessionFactory()
        Session session=sessionFactory.openSession();

        Transaction transaction=session.beginTransaction();

        Student student=new Student();
        student.setId(106);
        student.setName("Ram");
        student.setDepartment("MECH");
        student.setAge(40.8);

        session.saveOrUpdate(student);
        session.close(); //detach state
        sessionFactory.close();
    }
}
```

OUTPUT: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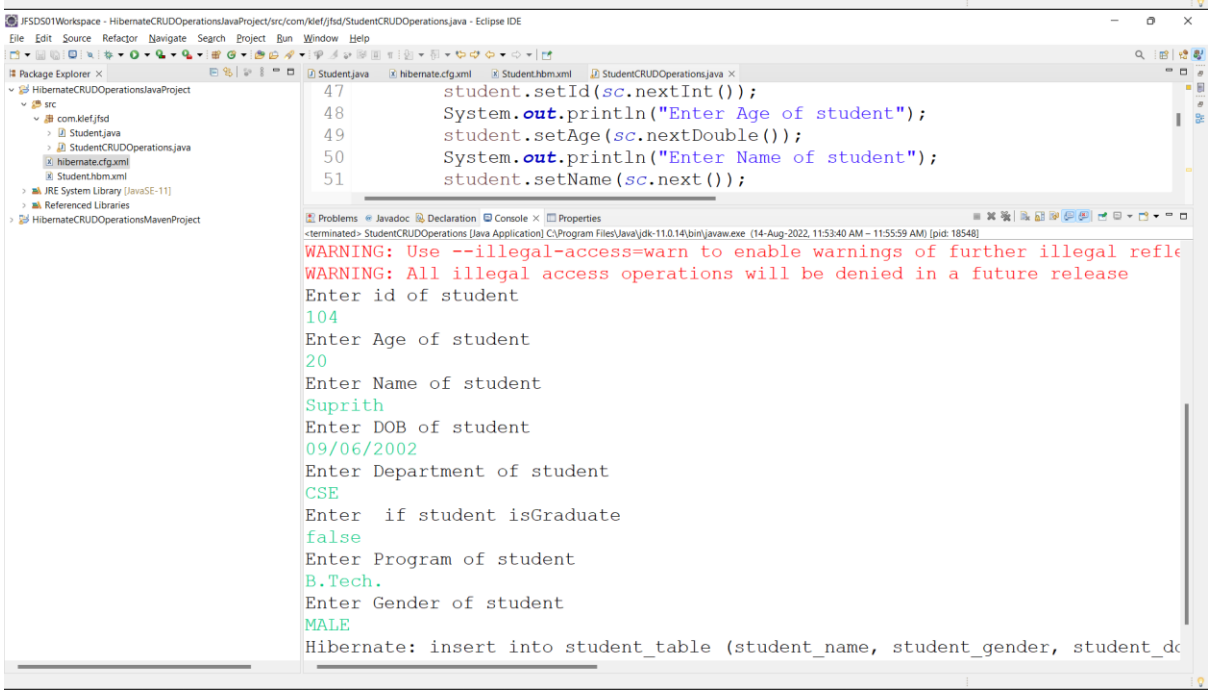
47 student.setId(sc.nextInt());
48 System.out.println("Enter Age of student");
49 student.setAge(sc.nextDouble());
50 System.out.println("Enter Name of student");
51 student.setName(sc.next());
Problems Javadoc Declaration Console Properties
<terminated> StudentCRUDOperations [Java Application] C:\Program Files\Java\jdk-11.0.14\bin\javaw.exe (14-Aug-2022, 11:53:40 AM – 11:55:59 AM) [pid: 18548]
1.Insert Student Record
2.View Student Record
3.Delete Student Record
4.Update Student Record
5.Save Or Update Student Record
Enter your choice
1
log4j:WARN No appenders could be found for logger (org.hibernate.type.BasicTyp
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.dom4j.io.SAXContentHandler (file:/D:
WARNING: Please consider reporting this to the maintainers of org.dom4j.io.SAX
WARNING: Use --illegal-access=warn to enable warnings of further illegal refle
WARNING: All illegal access operations will be denied in a future release
Enter id of student
104
Enter Age of student
20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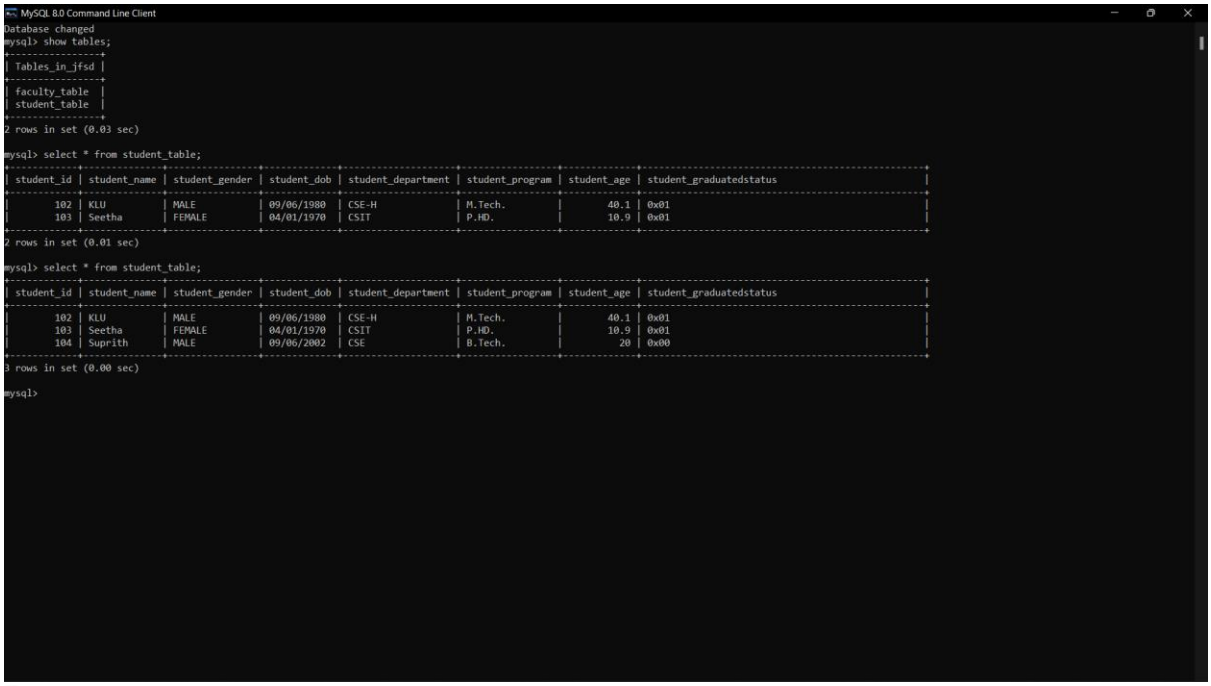
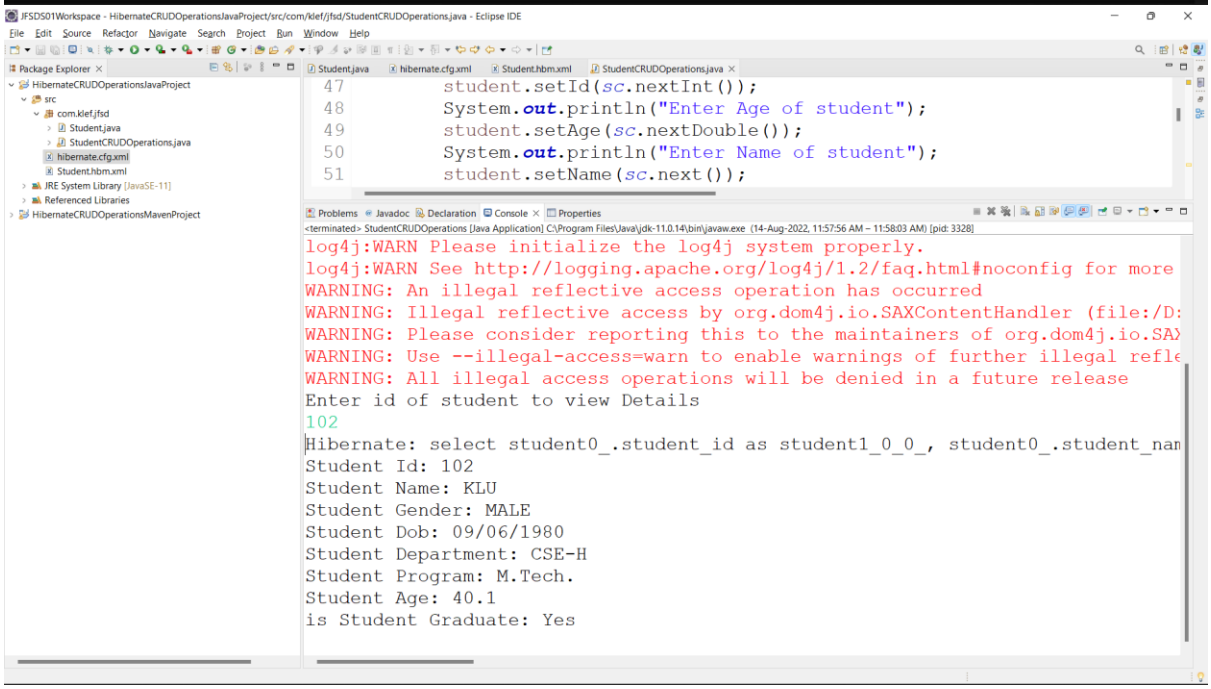
48 System.out.println("Enter Age of student");
49 student.setAge(sc.nextDouble());
50 System.out.println("Enter Name of student");
51 student.setName(sc.next());
Problems Javadoc Declaration Console Properties
<terminated> StudentCRUDOperations [Java Application] C:\Program Files\Java\jdk-11.0.14\bin\javaw.exe (14-Aug-2022, 11:53:40 AM – 11:55:59 AM) [pid: 18548]
WARNING: Use --illegal-access=warn to enable warnings of further illegal refle
WARNING: All illegal access operations will be denied in a future release
Enter id of student
104
Enter Age of student
20
Enter Name of student
Suprith
Enter DOB of student
09/06/2002
Enter Department of student
CSE
Enter if student isGraduate
false
Enter Program of student
B.Tech.
Enter Gender of student
MALE
Hibernate: insert into student_table (student_name, student_gender, student_d


MySQL 8.0 Command Line Client
Database changed
mysql> show tables;
+---------------+
| Tables_in_jfsd |
+---------------+
| faculty_table |
| student_table |
+---------------+
2 rows in set (0.03 sec)
mysql> select * from student_table;
+------------+--------------+----------------+-------------+--------------------+-----------------+-------------+-----------------------------+
| student_id | student_name | student_gender | student_dob | student_department | student_program | student_age | student_graduatedstatus |
+------------+--------------+----------------+-------------+--------------------+-----------------+-------------+-----------------------------+
| 102 | KLU | MALE | 09/06/1980 | CSE-H | M.Tech. | 40.1 | 0x01 |
| 103 | Seetha | FEMALE | 04/01/1970 | CSIT | P.HD. | 10.9 | 0x01 |
+------------+--------------+----------------+-------------+--------------------+-----------------+-------------+-----------------------------+
2 rows in set (0.01 sec)
mysql> select * from student_table;
+------------+--------------+----------------+-------------+--------------------+-----------------+-------------+-----------------------------+
| student_id | student_name | student_gender | student_dob | student_department | student_program | student_age | student_graduatedstatus |
+------------+--------------+----------------+-------------+--------------------+-----------------+-------------+-----------------------------+
102	KLU	MALE	09/06/1980	CSE-H	M.Tech.	40.1	0x01
103	Seetha	FEMALE	04/01/1970	CSIT	P.HD.	10.9	0x01
104	Suprith	MALE	09/06/2002	CSE	B.Tech.	20	0x00
+------------+--------------+----------------+-------------+--------------------+-----------------+-------------+-----------------------------+
3 rows in set (0.00 sec)
mysql>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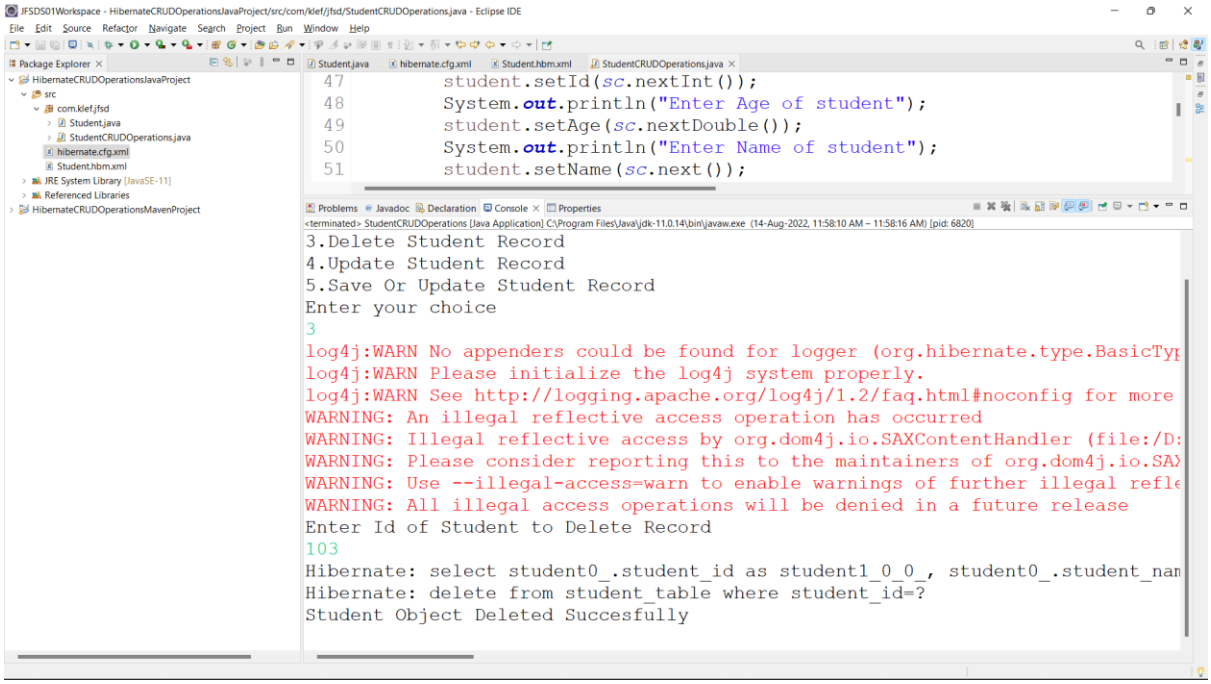
47 student.setId(sc.nextInt());
48 System.out.println("Enter Age of student");
49 student.setAge(sc.nextDouble());
50 System.out.println("Enter Name of student");
51 student.setName(sc.next());
Problems Javadoc Declaration Console Properties
<terminated> StudentCRUDOperations [Java Application] C:\Program Files\Java\jdk-11.0.14\bin\javaw.exe (14-Aug-2022, 11:57:56 AM – 11:58:03 AM) [pid: 3328]
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.dom4j.io.SAXContentHandler (file:/D:
WARNING: Please consider reporting this to the maintainers of org.dom4j.io.SAX
WARNING: Use --illegal-access=warn to enable warnings of further illegal refle
WARNING: All illegal access operations will be denied in a future release
Enter id of student to view Details
102
Hibernate: select student0_.student_id as student1_0_0_, student0_.student_nam
Student Id: 102
Student Name: KLU
Student Gender: MALE
Student Dob: 09/06/1980
Student Department: CSE-H
Student Program: M.Tech.
Student Age: 40.1
is Student Graduate: Yes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47 student.setId(sc.nextInt());
48 System.out.println("Enter Age of student");
49 student.setAge(sc.nextDouble());
50 System.out.println("Enter Name of student");
51 student.setName(sc.next());
Problems Javadoc Declaration Console Properties
<terminated> StudentCRUDOperations [Java Application] C:\Program Files\Java\jdk-11.0.14\bin\javaw.exe (14-Aug-2022, 11:58:10 AM – 11:58:16 AM) [pid: 6820]
3.Delete Student Record
4.Update Student Record
5.Save Or Update Student Record
Enter your choice
3
log4j:WARN No appenders could be found for logger (org.hibernate.type.BasicTyp
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.dom4j.io.SAXContentHandler (file:/D:
WARNING: Please consider reporting this to the maintainers of org.dom4j.io.SAX
WARNING: Use --illegal-access=warn to enable warnings of further illegal refle
WARNING: All illegal access operations will be denied in a future release
Enter Id of Student to Delete Record
103
Hibernate: select student0_.student_id as student1_0_0_, student0_.student_nam
Hibernate: delete from student_table where student_id=?
Student Object Deleted Succesfully