Lecture 10: Update and Delete Operations

Update Operation

```java
public static void main(String[] args) {
    Student s1 = new Student();
    s1.setName("Harsh");
    s1.setRollNo(103);
    s1.setAge(25);

    SessionFactory sf = new Configuration()
            .addAnnotatedClass(com.telusko.Student.class)
            .configure()
            .buildSessionFactory();

    Session session = sf.openSession();

    session.merge(s1);  // Updates existing record or inserts new one

    session.close();
    sf.close();

    System.out.println(s1);
}
```

Delete Operation

```java
public static void main(String[] args) {
    SessionFactory sf = new Configuration()
            .addAnnotatedClass(com.telusko.Student.class)
            .configure()
            .buildSessionFactory();

    Session session = sf.openSession();

    Student s1 = session.get(Student.class, 109);  // First fetch the object

    Transaction transaction = session.beginTransaction();

    session.remove(s1);  // Delete the object

    transaction.commit();

    session.close();
    sf.close();
}
```

Important Version Notes

- **get() method**: Deprecated in Hibernate 7.1.0 but **not removed**
- **remove()**: Use instead of delete() for JPA compliance
- **merge()**: Use instead of update() or saveOrUpdate()