

```
/*
      * id int (Primary Key : Auto Increment) desc varchar(200) postedDate date
      * answer varchar(400) status boolean
      */
@ld
     @GeneratedValue(strategy = GenerationType.IDENTITY)//auto_increment id..
@Column(name = "id")
private Integer Id;
@Column(length=200)
     private String desc;
@Column(name=" postedDate")
     private LocalDate regDate;
@Column(length=400)
     private String answer;
@Column(name = "status")
     private boolean status;
     public User() {
             System.out.println("in thge default constructor..");
     }
     public User(String desc, LocalDate regDate, String answer, boolean status) {
             this.desc = desc;
             this.regDate = regDate;
             this.answer = answer;
             this.status = status;
```

```
}
public User( String desc, LocalDate regDate, String answer) {
        super();
        this.desc = desc;
        this.regDate = regDate;
        this.answer = answer;
}
public Integer getId() {
        return Id;
}
public void setId(Integer id) {
        Id = id;
}
public String getDesc() {
        return desc;
}
public void setDesc(String desc) {
        this.desc = desc;
}
public LocalDate getRegDate() {
```

return regDate;

```
}
       public void setRegDate(LocalDate regDate) {
             this.regDate = regDate;
      }
       public String getAnswer() {
             return answer;
      }
       public void setAnswer(String answer) {
             this.answer = answer;
      }
       public boolean isStatus() {
             return status;
      }
       public void setStatus(boolean status) {
             this.status = status;
      }
       @Override
       public String toString() {
             return "User [Id=" + Id + ", desc=" + desc + ", regDate=" + regDate + ", answer=" +
answer + ", status="
                           + status + "]";
      }
}
IUserDao:
package dao;
import pojos.User;
public interface IUserDao {
String addData(User user);
```

```
User getUserDetails(int userId);
String deleteUserDetails(int id);
}
UserDaoImpl:
package dao;
import pojos.User;
import static utils. Hibernate Utils. getFactory;
import java.io.Serializable;
import org.hibernate.*;
public class UserDaoImpl implements IUserDao {
       @Override
       public User getUserDetails(int userId) {
              User user = null;
              Session session = getFactory().getCurrentSession();
              Transaction tx = session.beginTransaction();
              try {
                     user = session.get(User.class, userId);
                     tx.commit();
              } catch (RuntimeException e) {
                     if (tx != null)
                            tx.rollback();
                     throw e;
```

```
}
        return user;
}
@Override
public String addData(User user) {
        Session session=getFactory().getCurrentSession();
        Transaction tx = session.beginTransaction();
        String msg;
        try {
        Serializable id=session.save(user);
                tx.commit();
                msg="Success:-"+id;
        }catch (RuntimeException e) {
                if (tx != null)
                        tx.rollback();
                throw e;
        }
        return msg;
}
@Override
public String deleteUserDetails(int id) {
        Session session = getFactory().getCurrentSession();
        Transaction tx = session.beginTransaction();
        try {
        User u=session.get(User.class, id);
        session.delete(u);
                tx.commit();
        } catch (RuntimeException e) {
```

```
if (tx != null)
                                tx.rollback();
                        throw e;
                }
                return "Deleted";
        }
}
        Testers:
        package tester;
        import\ static\ utils. Hibernate Utils. get Factory;
        import java.time.LocalDate;
        import java.util.Scanner;
        import org.hibernate.SessionFactory;
        import dao.UserDaoImpl;
        import pojos.User;
        public class AddData {
                 * id int (Primary Key : Auto Increment) desc varchar(200) postedDate date
```

```
* answer varchar(400) status boolean
                */
                public static void main(String[] args) {
                        try(SessionFactory sf=getFactory();Scanner sc=new Scanner(System.in);){
                                System.out.println("Enter Details of id, DESC, Date, Answer
,Status");
                                System.out.println("Enter Desc: ");
                                String desc=sc.next();
                                System.out.println("Enter Date(year-month-date): ");
                                String date=sc.next();
                                System.out.println("Enter Answer: ");
                                String ans=sc.next();
                                System.out.println("Enter Status: ");
                                boolean status=sc.nextBoolean();
                                //User user=new User( desc, LocalDate.parse(date),ans, status);
                                User user=new User( desc, LocalDate.parse(date),ans);
                                 UserDaoImpl dao=new UserDaoImpl();
                                 System.out.println(dao.addData(user));
                        }catch (Exception e) {
                                e.printStackTrace();
                       }
                }
        }
        Deletion//
```

```
package tester;
import java.util.Scanner;
import dao.UserDaoImpl;
public class DeleteData {
    public static void main(String[] args) {
         try(Scanner sc=new
Scanner(System.in);){
             System.out.println("Enter UserId");
                UserDaoImpl dao=new
UserDaoImpl();
System.out.println(dao.deleteUserDetails(sc.nex
tInt());
         }catch (Exception e) {
             e.printStackTrace();
         }
    }
}
    GetData:
    package tester;
    import java.util.Scanner;
    import dao.UserDaoImpl;
    public class GetUserDetails {
```

```
public static void main(String[] args) {
               try(Scanner sc=new Scanner(System.in);){
                       System.out.println("Enter UserId");
                         UserDaoImpl dao=new UserDaoImpl();
                         System.out.println(dao.getUserDetails(sc.nextInt()));
               }catch (Exception e) {
                       e.printStackTrace();
               }
       }
}
Output:
```

```
□ Pac... × □ □ □ UserDaoImpl... □ User.java □ AddData.java × »2
                                                    Console
                                                       AddData [Java Application] C:\Users\HP\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v/
            1 package tester;
 ₩ AD8
                                                       Feb 20, 2023 12:52:40 PM org.hibernate.engine.jdbc
 See Assign10
See Assign10.1
                                                       nagerConnectionProviderImpl buildCreator
            3. import static utils. HibernateUtil
                                                       INFO: HHH10001003: Autocommit mode: false
 Assign10.2
 Assign10.3
                                                       Feb 20, 2023 12:52:40 PM org.hibernate.engine.jdb
 👺 assign8.1
                                                       nagerConnectionProviderImpl$PooledConnections <in:
 Assignmenti
           14 public class AddData {
                                                       INFO: HHH000115: Hibernate connection pool size:
          15∈
 👺 BloodBankB
                                                       Feb 20, 2023 12:52:41 PM org.hibernate.dialect.Dia
                    * id int (Primary Key : Auto
 Bood [boot]
CollectionM
                                                       INFO: HHH000400: Using dialect: org.hibernate.dia
                    * answer varchar(400) status
 CustomizeSi
           18
                                                       in thge default constructor ...
 Feb 20, 2023 12:52:41 PM org.hibernate.resource.ti
                                                       1.DdlTransactionIsolatorNonJtaImpl getIsolatedCon:
 public static void main(Strin
                                                       INFO: HHH10001501: Connection obtained from JdbcCo
                       try(SessionFactory sf=get
 👺 Day11.1
                                                       engine.jdbc.env.internal.JdbcEnvironmentInitiator;
                            System.out.println("E
 Day11.2
Day11.3
                                                       onAccess@3902bd2c] for (non-JTA) DDL execution was
           23
                                                       Connection 'local transaction' will be committed \epsilon
 2 Day11.4
           24
                            System.out.println("E
 Day13
Day13.1
                                                       into auto-commit mode.
                            String desc=sc.next()
                                                       Hibernate:

□ Day13.2

                            System.out.println("E
 Day13.3
Day14_Sprin
                            String date=sc.next()
                                                           create table exam (
                            System.out.println("E

    □ Day14.1

 Bay14.2
                                                               id integer not null auto_increment,
           29
                            String ans=sc.next();

➢ Day14.3

                                                                answer varchar(400)
                            System.out.println("E
 describe varchar(200),
                            boolean status=sc.nex
                                                                posted Date date,

➢ Dav14.6

                            User user=new User( d
 Day15_Sprin
Day15-pract
                                                                status bit not null,
                               UserDaoImpl dao=ne
                                                                primary key (id)
           34
                               System.out.println
 B Day15-Sprin
                                                           ) engine=InnoDB
 👺 Day16.1 [bo
                                                       Feb 20, 2023 12:52:41 PM org.hibernate.tool.schema
                       }catch (Exception e) {
```

```
Enter Details of
                   id, DESC, Date, Answer , Status
Enter Desc:
hdsjsjkcksdckdldbcjkljak
Enter Date (year-month-date):
2022-12-15
Enter Answer:
sdhkjawldbcjnd
Enter Status:
true
Hibernate:
    insert
    into
        (answer, describe, posted Date, status)
    values
        (?, ?, ?, ?)
Feb 20, 2023 12:57:14 PM org.hibernate.engine.jdbc.
```



2) delete operation:

```
onAccess@75e27856] for (non-JTA) DDL e
Connection 'local transaction' will be
into auto-commit mode.

Hibernate:
    select
        user0_.id as id1_0_0_,
        user0_.answer as answer2_0_0_,
        user0_.desc as desc3_0_0_,
        user0_.postedDate as postedda4
        user0_.status as status5_0_0
        from
        myTable user0_
        where
        user0 .id=?
```