Source code –Flyaway

Github link

<https://github.com/ashwinbalaji44/Assignment.git>

StoreData.java

package com;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.boot.Metadata;

import org.hibernate.boot.MetadataSources;

import org.hibernate.boot.registry.StandardServiceRegistry;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

public class StoreData {

public static void add(FlightData fd){

StandardServiceRegistry ssr = new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();

Metadata meta = new MetadataSources(ssr).getMetadataBuilder().build();

SessionFactory factory = meta.getSessionFactoryBuilder().build();

Session session = factory.openSession();

Transaction t = session.beginTransaction();

session.save(fd);

t.commit();

System.out.println("successfully saved");

factory.close();

session.close();

}

}

FlightData.java

package com;

public class FlightData {

private String fname;private String address;

private int age;private int mob;private String email;

private String country;private int fnum;

private int tickets;private String date;

public String getFname() {return fname;}

public void setFname(String fname) {this.fname = fname;}

public String getAddress() {return address;}

public void setAddress(String address) {this.address = address;}

public int getAge() {return age;}

public void setAge(int age) {this.age = age;}

public int getMob() {return mob;}

public void setMob(int mob) {this.mob = mob;}

public String getEmail() {return email;}

public void setEmail(String email) {this.email = email;}

public String getCountry() {return country;}

public void setCountry(String country) {this.country = country;}

public int getFnum() {return fnum;}

public void setFnum(int fnum) {this.fnum = fnum;}

public int getTickets() {return tickets;}

public void setTickets(int tickets) {this.tickets = tickets;}

public String getDate() {return date;}

public void setDate(String date) {this.date = date;}

}

hibernate.cfg.xml

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name="hibernate.connection.driver\_class">com.mysql.jdbc.Driver</property>

<property name="hibernate.connection.password">123456</property>

<property name="hibernate.connection.url">jdbc:mysql://localhost:3306/flyquick</property>

<property name="hibernate.connection.username">root</property>

<property name="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</property>

<property name="hibernate.current\_session\_context\_class">thread</property>

<property name="hibernate.show\_sql">true</property>

<mapping resource="FlightData.hbm.xml"/>

</session-factory>

</hibernate-configuration>

FlightData.hbm.xml

<?xml version="1.0"?>

<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"

"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">

<!-- Generated 21 Aug, 2022 7:03:16 AM by Hibernate Tools 3.5.0.Final -->

<hibernate-mapping>

<class name="com.FlightData" table="FLIGHTDATA">

<id name="fname" type="java.lang.String">

<column name="FULLNAME" />

<generator class="assigned" />

</id>

<property name="address" type="java.lang.String">

<column name="ADDRESS" />

</property>

<property name="age" type="int">

<column name="AGE" />

</property>

<property name="mob" type="int">

<column name="MOBILE\_NUMBER" />

</property>

<property name="email" type="java.lang.String">

<column name="EMAIL\_ID" />

</property>

<property name="country" type="java.lang.String">

<column name="COUNTRY" />

</property>

<property name="fnum" type="int">

<column name="FLIGHT\_NUMBER" />

</property>

<property name="tickets" type="int">

<column name="TICKETS\_BOOKED" />

</property>

<property name="date" type="java.lang.String">

<column name="DATE\_BOOKED" />

</property>

</class>

</hibernate-mapping>

SQL Command

create table Flight\_details(airline\_name varchar(255),price int,flight\_no int,source\_city varchar(255),destination\_city varchar(255),dep\_time varchar(50),arrival\_time varchar(50),total\_seats int,booked\_seats int,seat\_availability int,ticket\_type varchar(255),primary key(flight\_no));

create table Register\_details(full\_name varchar(255),address varchar(255),age int,mobile varchar(255),email varchar(255),country varchar(255),primary key(email));

insert into Flight\_details values('Jet Airways',2500,101,'Chennai','Pune','10AM','5PM',100,2,98,'Economy');

insert into Flight\_details values('Air India',2500,102,'Chennai','Delhi','11AM','6PM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,103,'Chennai','Bangalore','1PM','8PM',100,9,91,'Business');

insert into Flight\_details values('Spice Jet',2500,104,'Chennai','Mumbai','11PM','4AM',100,2,98,'Business');

insert into Flight\_details values('Jet Airways',2500,111,'Pune','Chennai','1AM','8AM',100,2,98,'Economy');

insert into Flight\_details values('Air Asia',2500,112,'Pune','Delhi','4AM','12PM',100,8,92,'Economy');

insert into Flight\_details values('Spice Jet',2500,113,'Pune','Bangalore','7PM','1AM',100,20,80,'Business');

insert into Flight\_details values('Air India',2500,114,'Pune','Mumbai','7PM','9PM',100,5,95,'Business');

insert into Flight\_details values('Air India',2500,121,'Mumbai','Pune','7PM','9PM',100,5,95,'Business');

insert into Flight\_details values('Spice Jet',2500,122,'Mumbai','Chennai','11AM','4PM',100,8,92,'Business');

insert into Flight\_details values('Emirates',2500,123,'Mumbai','Delhi','8AM','12PM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,124,'Mumbai','Bangalore','12AM','5AM',100,5,95,'Economy');

insert into Flight\_details values('Air India',2500,131,'Delhi','Pune','7PM','9PM',100,5,95,'Business');

insert into Flight\_details values('Spice Jet',2500,132,'Delhi','Chennai','11AM','4PM',100,8,92,'Business');

insert into Flight\_details values('Emirates',2500,133,'Delhi','Mumbai','8AM','12PM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,134,'Delhi','Bangalore','12AM','5AM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,141,'Bangalore','Chennai','1AM','8AM',100,2,98,'Economy');

insert into Flight\_details values('Air Asia',2500,142,'Bangalore','Delhi','4AM','12PM',100,8,92,'Economy');

insert into Flight\_details values('Spice Jet',2500,143,'Bangalore','Pune','7PM','1AM',100,20,80,'Business');

insert into Flight\_details values('Air India',2500,144,'Bangalore','Mumbai','7PM','9PM',100,5,95,'Business');

insert into Flight\_details values('Jet Airways',2500,201,'Chennai','Pune','7AM','2M',150,2,148,'Economy');

insert into Flight\_details values('Air India',2500,202,'Chennai','Delhi','9AM','4PM',120,5,115,'Economy');

insert into Flight\_details values('Jet Airways',2500,203,'Chennai','Bangalore','8PM','12M',110,9,101,'Business');

insert into Flight\_details values('Spice Jet',2500,204,'Chennai','Mumbai','2AM','8AM',180,2,178,'Buisness');

insert into Flight\_details values('Jet Airways',2500,211,'Pune','Chennai','7AM','11AM',150,2,148,'Economy');

insert into Flight\_details values('Air Asia',2500,212,'Pune','Delhi','8PM','11PM',170,8,162,'Economy');

insert into Flight\_details values('Spice Jet',2500,213,'Pune','Bangalore','8PM','12AM',180,20,160,'Buisness');

insert into Flight\_details values('Air India',2500,214,'Pune','Mumbai','7PM','9PM',200,5,195,'Business');

insert into Flight\_details values('Air India',2500,221,'Mumbai','Pune','8PM','11PM',170,5,195,'Business');

insert into Flight\_details values('Spice Jet',2500,222,'Mumbai','Chennai','5AM','9AM',100,8,92,'Business');

insert into Flight\_details values('Emirates',2500,223,'Mumbai','Delhi','4PM','10PM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,224,'Mumbai','Bangalore','5PM','1AM',100,5,95,'Economy');

insert into Flight\_details values('Air India',2500,231,'Delhi','Pune','8PM','11PM',100,5,95,'Business');

insert into Flight\_details values('Spice Jet',2500,232,'Delhi','Chennai','12AM','4PM',100,8,92,'Business');

insert into Flight\_details values('Emirates',2500,233,'Delhi','Mumbai','10AM','9PM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,234,'Delhi','Bangalore','5AM','12PM',100,5,95,'Economy');

insert into Flight\_details values('Jet Airways',2500,241,'Bangalore','Chennai','8AM','12PM',100,2,98,'Economy');

insert into Flight\_details values('Air Asia',2500,242,'Bangalore','Delhi','8AM','2PM',100,8,92,'Economy');

insert into Flight\_details values('Spice Jet',2500,243,'Bangalore','Pune','2AM','6AM',100,20,80,'Business');

insert into Flight\_details values('Air India',2500,244,'Bangalore','Mumbai','12PM','9AM',100,5,95,'Business');

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