T1

create database MMT1;

use MMT1;

CREATE TABLE signup(email VARCHAR(255),password VARCHAR(255),mobileno varchar(15),unique key(mobileno),primary key(email));

insert into signup values('kalaiks@gmail.com','Kalai','9841830456');

insert into signup values('kalaiks123@gmail.com','Kalai','9325679301');

select \* from signup;

T2

use MMT1;

CREATE TABLE signin(email VARCHAR(255),password VARCHAR(255),foreign key fs(email)references signup(email));

insert into signin values('kalai1503@gmail.com','Kalai');

select \* from signin;

T3

use MMT1;

CREATE TABLE bus(sno int,route VARCHAR(255) ,departure varchar(15),arrival varchar(15),timings VARCHAR(25),ticketcost double,totaldist varchar(15),seatavl int);

insert into bus values(1,'Chennai-to-Kanyakumari','11/6/2018','12/6/2018','6:30pm','675','850km',60);

insert into bus values(2,'Chennai-to-Madurai','11/6/2018','12/6/2018','5:30pm','500','700km',60);

insert into bus values(3,'Chennai-to-Kerala','11/6/2018','12/6/2018','4:30pm','800','900km',60);

insert into bus values(4,'Chennai-to-Bangalore','11/6/2018','12/6/2018','7:30am','675','1000km',60);

insert into bus values(5,'Chennai-to-Dindigul','11/6/2018','12/6/2018','6:30pm','675','450km',60);

select \*from bus;

T4

use MMT1;

CREATE TABLE train(sno int,route VARCHAR(255) ,departure varchar(15),arrival varchar(15),timings VARCHAR(25),ticketcost double,totaldist varchar(15),seatavl int);

insert into train values(1,'Chennai-to-Tirunelveli','11/6/2018','12/6/2018','6:30pm','400','850km',100);

insert into train values(2,'Chennai-to-Coimbatore','11/6/2018','12/6/2018','5:30pm','350','700km',100);

insert into train values(3,'Chennai-to-Hyderabad','11/6/2018','12/6/2018','4:30pm','600','950km',100);

insert into train values(4,'Chennai-to-Bangalore','11/6/2018','12/6/2018','7:30am','375','1000km',100);

insert into train values(5,'Chennai-to-Mumbai','11/6/2018','12/6/2018','6:30pm','475','950km',100);

select \*from train;

T5

use MMT1;

CREATE TABLE flight(sno int,airways VARCHAR(255) ,departure varchar(15),arrival varchar(15),timings VARCHAR(25),ticketcost double,seatavl int);

insert into flight values(1,'Chennai-to-Singapore(Tiger Airlines)','11/6/2018','12/6/2018','6:30pm','4000',100);

insert into flight values(2,'Chennai-to-Coimbatore(SpiceJet)','11/6/2018','12/6/2018','6:30pm','1800',100);

insert into flight values(3,'Chennai-to-Bangalore(Indian Airlines)','11/6/2018','12/6/2018','6:30pm','2000',100);

insert into flight values(4,'Chennai-to-Hyderabad(Jet Airways)','11/6/2018','12/6/2018','6:30pm','2500',100);

insert into flight values(5,'Chennai-to-Mumbai(KingFisher Airlines)','11/6/2018','12/6/2018','6:30pm','3000',100);

select \* from flight;

JAVA PROGRAM FOR SQL:

BUS:

package appl1;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Scanner;

public class Jdbc\_bus {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = "Ka\_9876";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

public static void main(String[] args) throws ClassNotFoundException, SQLException {

// TODO Auto-generated method stub

bus();

}

public static void bus() throws ClassNotFoundException, SQLException {

double c=0,s=0;

int d=0;

String query = "select \* from bus";

Class.forName(JDBC\_DRIVER);

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

ResultSet rs = st.executeQuery(query);

while (rs.next()) {

System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " + rs.getString(3) + " " + rs.getString(4)

+ rs.getString(5) + " " + rs.getString(6) + " " + rs.getString(7) + " " + rs.getInt(8));

}

Scanner sc = new Scanner(System.in);

System.out.println("Enter id to select route");

int opt = sc.nextInt();

if(opt>5) {

System.out.println("Error can select only available routes");

}

else

{

String query1 = "select \* from bus where sno=" + opt;

Class.forName(JDBC\_DRIVER);

Connection cn1 = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st1 = cn1.createStatement();

ResultSet rs1 = st1.executeQuery(query1);

while (rs1.next()) {

System.out.println(rs1.getInt(1) + " " + rs1.getString(2) + " " + rs1.getString(3) + " " + rs1.getString(4)

+ rs1.getString(5) + " " + rs1.getDouble(6) + " " + rs1.getString(7) + " " + rs1.getInt(8));

d=rs1.getInt(8);

c=rs1.getDouble(6);

}

//update\_ticket();

System.out.println("Enter the number of tickets");

int ticket=sc.nextInt();

s=c\*ticket;

System.out.println("Total amt is: "+s);

String query2="update bus set seatavl='"+(d-ticket)+"' where sno="+opt;

int updated=st.executeUpdate(query2);

//System.out.println("No of rows updated successfully is"+rowUPdated);

System.out.println("1.Proceed to pay 2.Cancel booking");

int ch2=sc.nextInt();

switch(ch2)

{

case 1:

User\_regis sk=new User\_regis();

sk.registration();

break;

case 2:

System.out.println("Your ticket has been cancelled");

break;

default :

System.out.println("Invalid choice");

break;

}

}

/\* public static void update\_ticket() throws ClassNotFoundException, SQLException {

double c=0,s=0;

int d=0;

Scanner sca = new Scanner(System.in);

System.out.println("Select the number of tickets");

int ticket1 = sca.nextInt();

Class.forName(JDBC\_DRIVER);

Connection cn2 = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st2 = cn2.createStatement();

String query3 = "Select \* from bus";

ResultSet rs3 = st2.executeQuery(query3);

while (rs3.next()) {

d=rs3.getInt(8);

c=rs3.getDouble(6);

}

s=c\*ticket1;

System.out.println("Total amt is: "+s);

}\*/

}

}

FLIGHT:

package appl1;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Scanner;

public class Jdbc\_Flite {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = " Ka\_9876";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

public static void main(String[] args) throws ClassNotFoundException, SQLException {

// TODO Auto-generated method stub

flight();

}//this main is used for see whats happening in this class only.

public static void flight() throws ClassNotFoundException, SQLException

{

double c=0,s=0;

int d=0;

String query="select \* from flight";

Class.forName(JDBC\_DRIVER);

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

ResultSet rs = st.executeQuery(query);

while (rs.next())

{

System.out.println(rs.getInt(1)+" "+rs.getString(2) + " " + rs.getString(3) + " " + rs.getString(4)+rs.getString(5) + " "+rs.getString(6) +" "+rs.getInt(7));

}

Scanner sc=new Scanner(System.in);

System.out.println("Enter id to select route");

int opt=sc.nextInt();

if(opt>5) {

System.out.println("Error can select only available routes");

}

else

{

String query1="select \* from flight where sno="+opt;

Class.forName(JDBC\_DRIVER);

Connection cn1 = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st1 = cn1.createStatement();

ResultSet rs1 = st1.executeQuery(query1);

while (rs1.next())

{

System.out.println(rs1.getInt(1)+" "+rs1.getString(2) + " " + rs1.getString(3) + " " + rs1.getString(4)+rs1.getString(5) + " "+rs1.getDouble(6) + " "+rs1.getInt(7));

d=rs1.getInt(7);

c=rs1.getDouble(6);

}

System.out.println("Enter the number of tickets");

int ticket=sc.nextInt();

s=c\*ticket;

System.out.println("Total amt is: "+s);

String query2="update flight set seatavl='"+(d-ticket)+"' where sno="+opt;

int updated=st.executeUpdate(query2);

//System.out.println("No of rows updated successfully is"+rowUPdated);

System.out.println("1.Proceed to pay 2.Cancel booking");

int ch2=sc.nextInt();

switch(ch2)

{

case 1:

User\_regis sk=new User\_regis();

sk.registration();

break;

case 2:

System.out.println("Your ticket has been cancelled");

break;

default :

System.out.println("Invalid choice");

break;

}

}

}

}

SIGNIN:

package appl1;

import java.sql.\*;

import java.util.\*;

public class Jdbc\_signin {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = " Ka\_9876";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

/\* public static void signin() throws SQLException, ClassNotFoundException {

int ct=0;

Scanner sc2 = new Scanner(System.in);

System.out.println("Enter emailid");

String email1 = sc2.nextLine();

System.out.println("Enter password");

String password1 = sc2.nextLine();

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

String query = "Select \* from signup";

ResultSet rs = st.executeQuery(query);

while (rs.next()) {

if (rs.getString(1).equals(email1) && rs.getString(2).equals(password1)) {

System.out.println("welcome");

ct++;

break;

}

}

if (ct == 0)

System.out.println("invalid user");

}\*/

public static void store\_signin()throws SQLException, ClassNotFoundException

{

int ct=0;

Scanner sc = new Scanner(System.in);

System.out.println("Enter emailid");

String email = sc.nextLine();

System.out.println("Enter password");

String password = sc.nextLine();

String query = "insert into signin values ('" + email + "','" + password + "')";

Class.forName(JDBC\_DRIVER);

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

// System.out.println(query);

st.executeUpdate(query);

String query1 = "Select \* from signup";

ResultSet rs = st.executeQuery(query1);

while (rs.next()) {

if (rs.getString(1).equals(email) && rs.getString(2).equals(password)) {

System.out.println("welcome");

ct++;

break;

}

}

if (ct == 0)

System.out.println("invalid user");

}

}

SIGNUP:

package appl1;

import java.sql.\*;

import java.util.\*;

public class Jdbc\_signup {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = " Ka\_9876";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

public static void signup() throws SQLException, ClassNotFoundException {

Scanner sc = new Scanner(System.in);

System.out.println("Enter emailid");

String email = sc.nextLine();

System.out.println("Enter password");

String password = sc.nextLine();

System.out.println("Enter mobileno");

String mobileno = sc.nextLine();

String query = "insert into signup values ('" + email + "','" + password + "','" + mobileno + "')";

Class.forName(JDBC\_DRIVER);

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

// System.out.println(query);

st.executeUpdate(query);

System.out.println("You have signed up");

//ResultSet rs = st.executeQuery("Select \* from signup");

/\*ResultSet rs=st.executeQuery(query);

while (rs.next()) {

System.out.println(rs.getString(1) + " " + rs.getString(2) + " " + rs.getString(3));

}\*/

}

}

TRAIN:

package appl1;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Scanner;

public class Jdbc\_Train {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = "Kalai\_1503";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

public static void main(String[] args) throws ClassNotFoundException, SQLException {

// TODO Auto-generated method stub

train();

}

public static void train() throws ClassNotFoundException, SQLException {

double c=0,s=0;

int d=0;

String query = "select \* from train";

Class.forName(JDBC\_DRIVER);

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

ResultSet rs = st.executeQuery(query);

while (rs.next()) {

System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " + rs.getString(3) + " " + rs.getString(4)

+ rs.getString(5) + " " + rs.getString(6) + " " + rs.getString(7) + " " + rs.getInt(8));

}

Scanner sc = new Scanner(System.in);

System.out.println("Enter id to select route");

int opt = sc.nextInt();

if(opt>5) {

System.out.println("Error can select only available routes");

}

else

{

String query1 = "select \* from train where sno=" + opt;

Class.forName(JDBC\_DRIVER);

Connection cn1 = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st1 = cn1.createStatement();

ResultSet rs1 = st1.executeQuery(query1);

while (rs1.next()) {

System.out.println(rs1.getInt(1) + " " + rs1.getString(2) + " " + rs1.getString(3) + " " + rs1.getString(4)

+ rs1.getString(5) + " " + rs1.getDouble(6) + " " + rs1.getString(7) + " " + rs1.getInt(8));

d=rs1.getInt(8);

c=rs1.getDouble(6);

}

System.out.println("Enter the number of tickets");

int ticket=sc.nextInt();

s=c\*ticket;

System.out.println("Total amt is: "+s);

String query2="update train set seatavl='"+(d-ticket)+"' where sno="+opt;

int updated=st.executeUpdate(query2);

//System.out.println("No of rows updated successfully is"+rowUPdated);

System.out.println("1.Proceed to pay 2.Cancel booking");

int ch2=sc.nextInt();

switch(ch2)

{

case 1:

User\_regis sk=new User\_regis();

sk.registration();

break;

case 2:

System.out.println("Your ticket has been cancelled");

break;

default :

System.out.println("Invalid choice");

break;

}

}

}

}

TRANSPORT:

package appl1;

import java.sql.\*;

import java.util.\*;

public class Jdbc\_Transport {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = " Ka\_9876";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

public static void main(String[] args) throws ClassNotFoundException, SQLException {

Scanner sc = new Scanner(System.in);

System.out.println("Select the mode of transport");

System.out.println("1.Flight 2.Train 3.Bus");

int op = sc.nextInt();

switch (op) {

case 1:

Jdbc\_Flite x = new Jdbc\_Flite();

x.flight();

break;

case 2:

Jdbc\_Train y = new Jdbc\_Train();

y.train();

break;

case 3:

Jdbc\_bus z = new Jdbc\_bus();

z.bus();

break;

default:

System.out.println("Invalid choice");

break;

}

}

}

MAIN:

package appl1;

import java.sql.SQLException;

import java.util.Scanner;

public class Main {

public static void main(String[] args) throws ClassNotFoundException, SQLException {

Scanner sc1 = new Scanner(System.in);

System.out.println("1.New user 2.Existing user");

int ch = sc1.nextInt();

switch (ch) {

case 1:

// System.out.println("New user");

Jdbc\_signup xy = new Jdbc\_signup();

xy.signup();

break;

case 2:

// System.out.println("Existing user");

Jdbc\_signin y = new Jdbc\_signin();

y.store\_signin();

break;

default:

System.out.println("Invalid choice");

}

Jdbc\_Transport xy = new Jdbc\_Transport();

xy.main(args);

/\*

\* System.out.println("Select ur mode of transport");

\* System.out.println("1.Bus 2.Train 3.Flight"); int ch1=sc1.nextInt();

\* switch(ch1) { case 1: Jdbc\_Transport z=new Jdbc\_Transport(); z.bus(); break;

\* //default: //System.out.println("Invalid choice"); }

\*/

}

}

USER REGISTRATION:

package appl1;

import java.util.\*;

import java.sql.\*;

public class User\_regis {

public final static String USERNAME = "root";// keyword shd be in uppercase

public final static String PASSWORD = " Ka\_9876";

public static final String JDBC\_DRIVER = "com.mysql.cj.jdbc.Driver";

public static final String DB\_URL = "jdbc:mysql://localhost/mmt1";

public static void registration() throws ClassNotFoundException, SQLException

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter your address");

String addr=sc.nextLine();

System.out.println("Enter your name");

String name=sc.nextLine();

System.out.println("Enter your age");

int age=sc.nextInt();

String query = "insert into Ticket values ('" + name + "','" + age + "','" + addr + "')";

Class.forName(JDBC\_DRIVER);

Connection cn = DriverManager.getConnection(DB\_URL, USERNAME, PASSWORD);

Statement st = cn.createStatement();

st.executeUpdate(query);

System.out.println("!!!!!!!!!Thank you!!!!!!!");

}

}