JDBC programs:

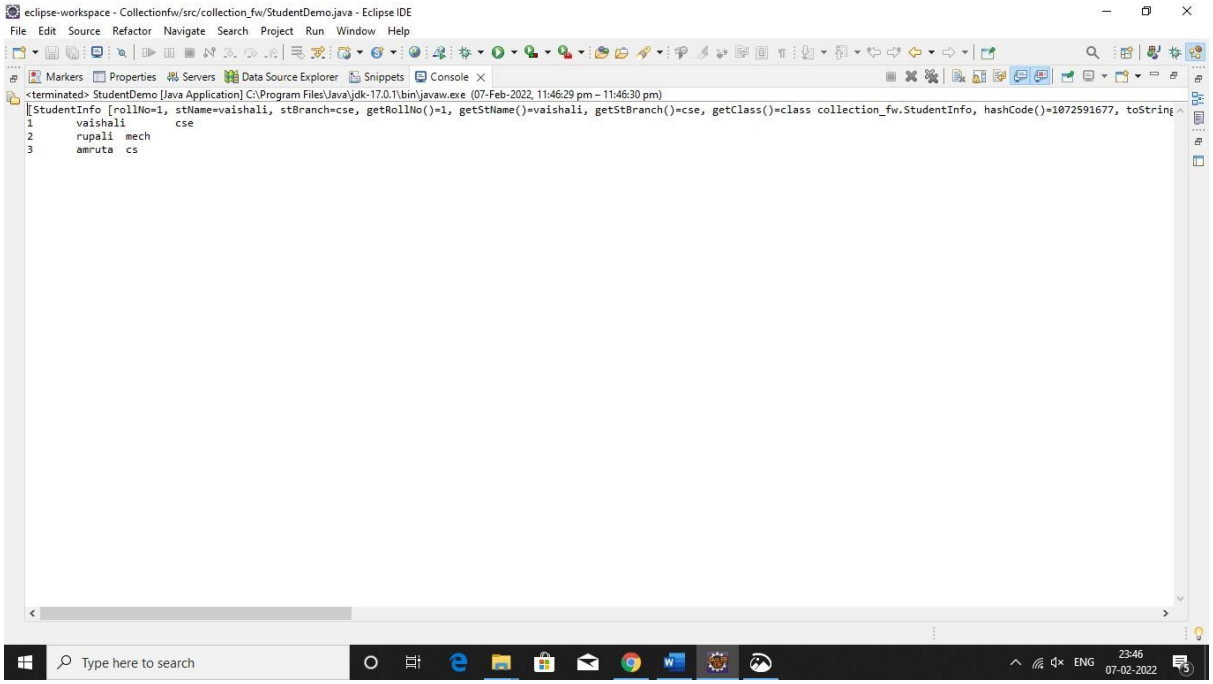
Name Vaishali Jadhav

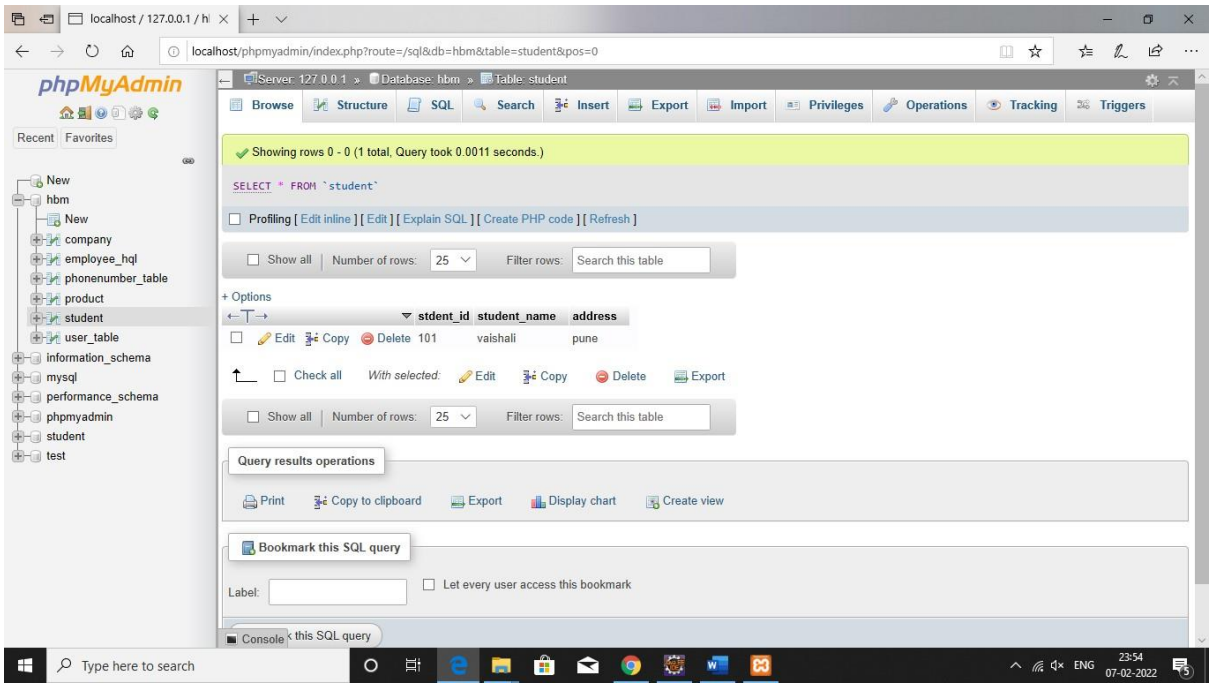
Phone_no-7030674246

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class CreateTableDemo {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		//load Driver for register
		try
		{
			Class.forName("com.mysql.jdbc.Driver");
			System.out.println("Driver load successfully");
			//step-2:Create connection
			Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/stu
dent","root","");
			System.out.println("connection create
successfully");
			//step-3create statement object
			Statement stmt=con.createStatement();
			System.out.println("Statement object create
successfully");
```

```
                    //write query
                    String sql="create table Students_data(id int,name
varchar(20))";
                    stmt.execute(sql);
                    System.out.println("Table created Successfully");
            }
            catch (Exception e)
            {
                    e.printStackTrace();
            }

        }

}
```

Output:





Program 2:

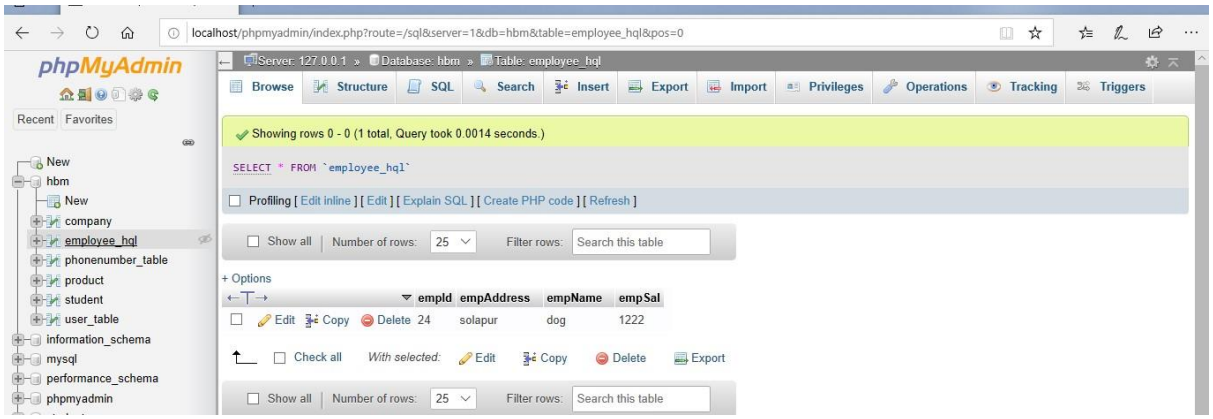
Crud operation

```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;
```

```
import java.sql.SQLException;
import java.sql.Statement;
public class CRUd_Application {
	final static String URl="jdbc:mysql://localhost:3306/student";
	final static String USER_NAME="root";
	final static String PASSWORD="";

	public static void main(String[] args)throws ClassNotFoundException,SQLException {
		// TODO Auto-generated method stub
		//load class
		Class.forName("com.mysql.jdc.Driver");	//loaded successfully
		//create connection
		Connection con=DriverManager.getConnection(URl,USER_NAME,PASSWORD);
		//create statement object
		Statement stmt=con.createStatement();
		//write query
		//String sql="create table my_info(id int,namevarchar(20),address varchar(20))";
		//String sql="insert into my_info(id,name,address)values(110.'sandhya','tukum'))";
		//String sql="update my_info set name='riya' where id=101";
```

```
            //String sql="delete from my_info where id=104";
            //execute query
            //int row=stmt.executeUpdate(sql);
            ResultSet rs=stmt.executeQuery("select*from my_info");
            while(rs.next())

      System.out.println(rs.getInt(1)+"\t"+rs.getString(2)+"\t"+rs.getS
tring(3));
            }
      //System.out.println("success");
      }
```

Output:



Program 3:

PrepareDemo

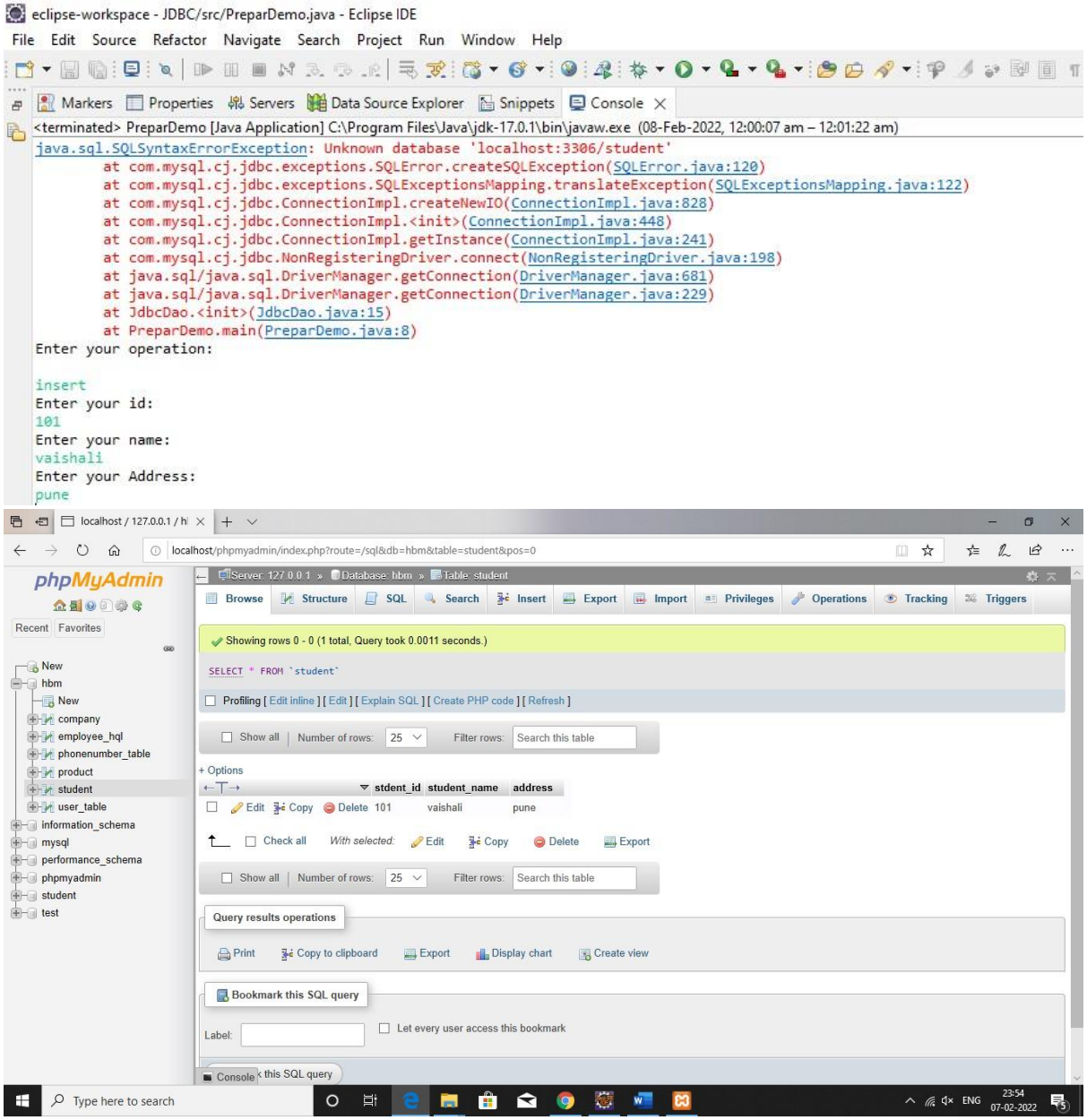
```
//import java.sql.connection;
import java.sql.ResultSet;
import java.util.Scanner;
public class PreparDemo {
```

```
public static void main(String[] args)throws Exception {
	// TODO Auto-generated method stub
	JdbcDao dao=new JdbcDao();
	Scanner sn=new Scanner(System.in);
	System.out.println("Enter your operation:");
	String choice=sn.next();
	switch(choice)
	{
	case "insert":
		System.out.println("Enter your id:");
		int id=sn.nextInt();
		System.out.println("Enter your name:");
		String name=sn.next();
		System.out.println("Enter your Address:");
		String address=sn.next();
		String msg=dao.InsertData(id,name,address);
		System.out.println(msg);
		break;
	case"update":
		System.out.println("Enter your id:");
		 id=sn.nextInt();
		System.out.println("Enter your name:");
		 name=sn.next();
		System.out.println("Enter your Address:");
```

```
                address=sn.next();
                msg=dao.UpdateData(id,address);
               System.out.println(msg);
               break;
          case"delete":
               System.out.println("Enter your id:");
                id=sn.nextInt();
               System.out.println("Enter your name:");
                name=sn.next();
               System.out.println("Enter your Address:");
                address=sn.next();
                msg=dao.DeleteData(id);
               System.out.println(msg);
               break;
          case"SelectOnId":
               System.out.println("Enter your id:");
                id=sn.nextInt();
               ResultSet rs=dao.SelectOnId(id);
               while(rs.next())
               {

     System.out.println(rs.getInt(1)+"\t"+rs.getString(2)+"\t"+rs.getS
tring(3));
               }
```

```
                    break;
                case"select":
                    rs=dao.selectAll();
                    while(rs.next())
                    {

        System.out.println(rs.getInt(1)+"\t"+rs.getString(2)+"\t"+rs.getS
tring(3));
                    }
                    break;
                    default:
                        System.out.println("Invalid Operation");
                }
        }


}
```

Output:


eclipse-workspace - JDBC/src/PreparDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console
<terminated> PreparDemo [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (08-Feb-2022, 12:00:07 am – 12:01:22 am)
java.sql.SQLSyntaxErrorException: Unknown database 'localhost:3306/student'
at com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:120)
at com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:122)
at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:828)
at com.mysql.cj.jdbc.ConnectionImpl.<init>(ConnectionImpl.java:448)
at com.mysql.cj.jdbc.ConnectionImpl.getInstance(ConnectionImpl.java:241)
at com.mysql.cj.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:198)
at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:681)
at java.sql/java.sql.DriverManager.getConnection(DriverManager.java:229)
at JdbcDao.<init>(JdbcDao.java:15)
at PreparDemo.main(PreparDemo.java:8)
Enter your operation:
insert
Enter your id:
101
Enter your name:
vaishali
Enter your Address:
pune

localhost / 127.0.0.1 / hb
localhost/phpmyadmin/index.php?route=/sql&db=hbm&table=student&pos=0
phpMyAdmin
Recent Favorites
New
hbm
New
company
employee_hql
phonenumber_table
product
student
user_table
information_schema
mysql
performance_schema
phpmyadmin
student
test
Server: 127.0.0.1 » Database: hbm » Table: student
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 0 (1 total, Query took 0.0011 seconds.)
SELECT * FROM `student`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table
+ Options
stdent_id student_name address
Edit Copy Delete 101 vaishali pune
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Console
Type here to search
ENG 23:54 07-02-2022