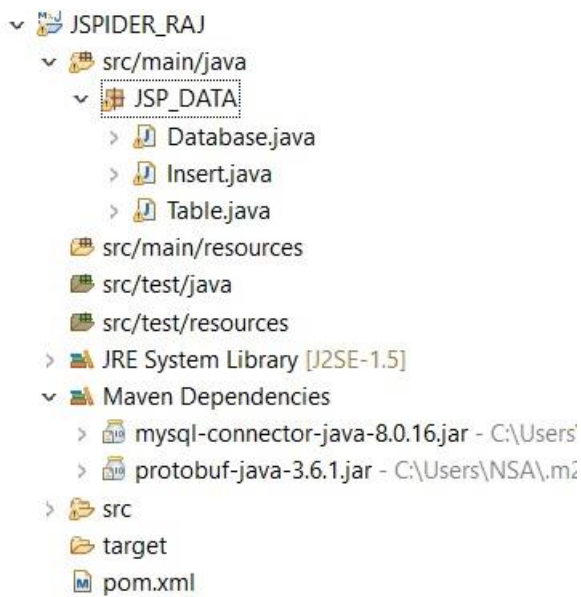


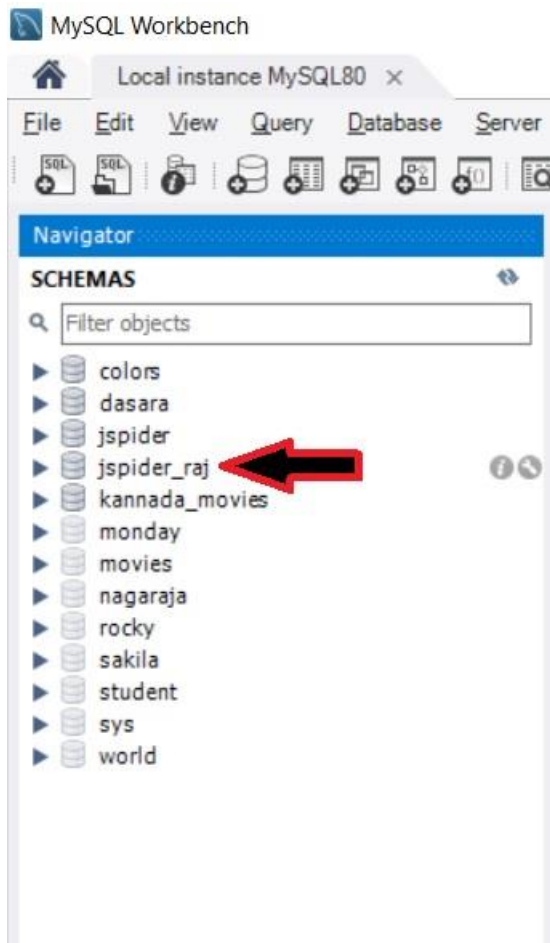
## Step1: Create Database



## Step1 : Code for creating database.



## Database Created in MySQL Work bench.



## Step2: Code for Create Table inside Database.

```
Table.java x Insert.java Update.java Delete.java Fetch.java Fetch_more.java
1 package JSP_DATA;
2
3 import java.sql.Connection;
4
5
6
7 public class Table
8 {
9
10 public static void main(String[] args) throws Exception
11 {
12     Class.forName("com.mysql.cj.jdbc.Driver");
13     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
14     Statement stmt=con.createStatement();
15     boolean a=stmt.execute("create table JEHA8(id integer primary key, name varchar(40), ph_num bigint, subject varchar(40), mock_rate integer)");
16     con.close();
17     System.out.println("Table Created...!");
18
19 }
20
21 }
22
```

## Database inside table Created in MySQL Work bench.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: jecm6 jecm6 student kannada color\_table student kannada student color\_table student jeha8 jeha8 x

SCHEMAS

Filter objects

- colors
- dasara
- jspider
- jspider\_raj
  - Tables
    - jeha8
  - Views
  - Stored Procedures
  - Functions
- kannada\_movies
- monday
- movies
- nagaraja
- rocky
- sakila

1 • SELECT \* FROM jspider\_raj.jeha8;

Result Grid

id	name	ph_num	subject	mock_rate
----	------	--------	---------	-----------

### Step3: Code for Inserting some values into table in database.

```
1 package JSP_DATA;
2
3 import java.sql.Connection;
4
5
6
7 public class Insert
8 {
9
10 public static void main(String[] args) throws Exception
11 {
12     Class.forName("com.mysql.cj.jdbc.Driver");
13     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
14     Statement stmt=con.createStatement();
15     boolean a=stmt.execute("insert into jeha8 values(1, 'nagaraja s a', 6361153251, 'java', 1)");
16     con.close();
17     System.out.println("1 row inserted...!");
18 }
19 }
20
21 }
22
```

Table inside 1 row inserted in MySQL Work bench.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

id	name	ph_num	subject	mod_rate
1	nagaraja s a	6361153251	java	1

#	Time	Action	Message	Duration / Fech
3	15:53:42	SELECT * FROM kannada_movies.kannada LIMIT 0, 1000	5 row(s) returned	0.016 sec / 0.000 sec
4	15:53:52	SELECT * FROM jspider.student LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
5	15:56:03	SELECT * FROM colors.color_table LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
6	16:30:29	SELECT * FROM jspider.student LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
7	13:31:18	SELECT * FROM jspider_raj.jeha8 LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
8	14:01:56	SELECT * FROM jspider_raj.jeha8 LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec

## Code for Inserting some more values into table in database.

```
Table.java Insert.java x
1 package JSP_DATA;
2
3 import java.sql.Connection;
4
5
6 public class Insert
7 {
8
9
10 public static void main(String[] args) throws Exception
11 {
12     Class.forName("com.mysql.cj.jdbc.Driver");
13     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
14     Statement stmt=con.createStatement();
15     boolean a=stmt.execute("insert into jeha8 values(1, 'nagaraja s a', 6361153251, 'java', 1)");
16     boolean b=stmt.execute("insert into jeha8 values(2, 'naveen bhogam', 8722116959, 'javaScript', 1)");
17     boolean c=stmt.execute("insert into jeha8 values(3, 'kiran', 8976543210, 'SQL', 1)");
18     boolean d=stmt.execute("insert into jeha8 values(4, 'manju', 9353787189, 'web', 1)");
19     boolean e=stmt.execute("insert into jeha8 values(5, 'raju', 8877554410, 'Aptitude', 1)");
20     con.close();
21     System.out.println(" more rows inserted...!");
22 }
23
24 }
25
26
```

## Table inside more row inserted in MySQL Work bench.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- colors
- dasara
- jspider
- jspider\_raj
  - Tables
    - jeha8
  - Views
  - Stored Procedures
  - Functions
- kannada\_movies
- monday
- movies
- nagaraja
- rocky
- sakila
- student
- sys
- world

Limit to 1000 rows

1 • SELECT \* FROM jspider\_raj.jeha8;

Result Grid

id	name	ph_num	subject	mock_rate
1	nagaraja s a	6361153251	java	1
2	naveen bhogam	8722116959	javaScript	1
3	kiran	8976543210	SQL	1
4	manju	9353787189	web	1
5	raju	8877554410	Aptitude	1

Result Grid

Form Editor

#### Step4: Code for Updating some values into table in database.

```
Table.java  Insert.java  Update.java x
1 package JSP_DATA;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.Statement;
6
7 public class Update
8 {
9
10 public static void main(String[] args) throws Exception
11 {
12     Class.forName("com.mysql.cj.jdbc.Driver");
13     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
14     Statement stmt=con.createStatement();
15     int a=stmt.executeUpdate("update jeha8 set mock_rate=2 where id=5");
16
17     con.close();
18     System.out.println(" Table Updated...!");
19
20 }
21
22 }
23
```

#### Table inside row Updated in MySQL Work bench

The image shows two screenshots of the MySQL Workbench interface. The left screenshot shows the 'jeha8' table with the following data:

id	name	ph_num	subject	mock_rate
1	nagaraja s a	6361153251	java	1
2	navneen bhogam	8722118959	javaScript	1
3	kiran	8976540210	SQL	1
4	manju	9353787289	web	1
5	raju	8877554410	Apptitude	1

The right screenshot shows the same table after the update. The 'mock\_rate' for the row with id=5 has been updated to 2. A red arrow points to the updated value.

id	name	ph_num	subject	mock_rate
1	nagaraja s a	6361153251	java	1
2	navneen bhogam	8722118959	javaScript	1
3	kiran	8976540210	SQL	1
4	manju	9353787289	web	1
5	raju	8877554410	Apptitude	2

Value updated



## Step5: Code for Deleting some values into table in database.

```
1 package JSP_DATA;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.Statement;
6
7 public class Delete
8 {
9
10 public static void main(String[] args) throws Exception
11 {
12     Class.forName("com.mysql.cj.jdbc.Driver");
13     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
14     Statement stmt=con.createStatement();
15     int a=stmt.executeUpdate("delete from jeha8 where id=3"); //deleting 3rd row.
16
17     con.close();
18     System.out.println(" 1 row deleted...!");
19
20 }
21
22 }
23 }
```

## Table inside 3rd row Deleted in MySQL Work bench

The image shows two side-by-side screenshots of the MySQL Workbench interface, demonstrating the deletion of a row from a table.

**Left Screenshot (Before):** The 'jeha8' table contains 5 rows. A red arrow points to the 3rd row, which is highlighted. The table structure is as follows:

id	name	ph_run	subject	mark_rate
1	naganga s a	6361153251	java	1
2	naven bhagan	872216959	javaScript	1
3	loran	897640210	SQL	1
4	marju	935787289	web	1
5	raju	8877554410	Apptitude	2

**Right Screenshot (After):** The 'jeha8' table now contains 4 rows, as the 3rd row has been successfully deleted. The table structure is as follows:

id	name	ph_run	subject	mark_rate
1	naganga s a	6361153251	java	1
2	naven bhagan	872216959	javaScript	1
4	marju	935787289	web	1
5	raju	8877554410	Apptitude	2

## Step6: Code for Fetching some values into table in database.

```
Table.java Insert.java Update.java Delete.java Fetch.java x
1 package JSP_DATA;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
6 import java.sql.Statement;
7
8 public class Fetch
9 {
10
11 public static void main(String[] args) throws Exception
12 {
13     Class.forName("com.mysql.cj.jdbc.Driver");
14     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
15     Statement stmt=con.createStatement();
16     ResultSet a=stmt.executeQuery("select * from jeha8");// Fetching Data from table
17     a.next();
18     System.out.println(a.getInt(1)+" "+a.getString(2)+" "+a.getLong(3)+" "+a.getString(4)+" "+a.getInt(5));
19     con.close();
20
21 }
22
23 }
24
```

Problems Javadoc Declaration Console x

<terminated> Fetch [Java Application] C:\Users\NSA\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64.17.0.5.v20221102-0933\jre\bin\javaw.exe (13-Jan-2023, 2:38:36 pm - 2:38:38 pm) [pid: 14892]

```
1 nagaraja s a 6361153251 java 1
```

```
Table.java Insert.java Update.java Delete.java Fetch.java Fetch_more.java x
1 package JSP_DATA;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
6 import java.sql.Statement;
7
8 public class Fetch_more
9 {
10
11 public static void main(String[] args) throws Exception
12 {
13     Class.forName("com.mysql.cj.jdbc.Driver");
14     Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/jspider_raj", "root", "root");
15     Statement stmt=con.createStatement();
16     ResultSet a=stmt.executeQuery("select * from jeha8");// Fetching More Data from table
17     while(a.next()) // Use while loop for fetch more records from table
18     {
19         System.out.println(a.getInt(1)+" "+a.getString(2)+" "+a.getLong(3)+" "+a.getString(4)+" "+a.getInt(5));
20     }
21     con.close();
22
23 }
24
25 }
26
```

Problems Javadoc Declaration Console x

<terminated> Fetch\_more [Java Application] C:\Users\NSA\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64.17.0.5.v20221102-0933\jre\bin\javaw.exe (13-Jan-2023, 2:43:54 pm - 2:43:56 pm) [pid: 10252]

```
1 nagaraja s a 6361153251 java 1
2 naveen bhogam 8722116959 javaScript 1
4 manju 9353787189 web 1
5 raju 8877554410 Aptitude 2
```