

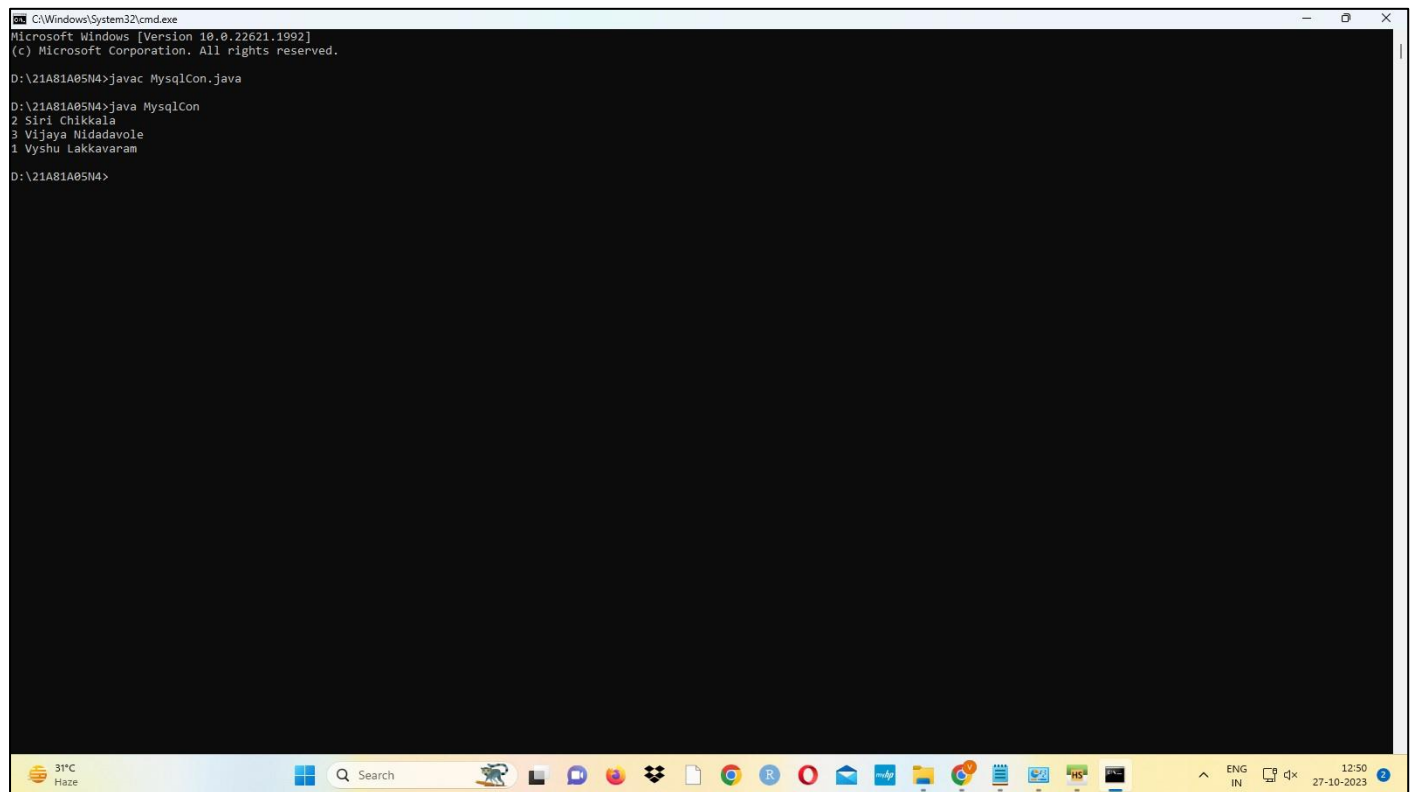
OUTPUT:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22621.1992]
(c) Microsoft Corporation. All rights reserved.

D:\21A81A05M4>javac MysqlCon.java

D:\21A81A05M4>java MysqlCon
2 Sini Chikkala
3 Vijaya Nidadavole
1 Vyshu Lakkavaram

D:\21A81A05M4>
```



EXERCISE-9

9.a)

Aim: To demonstrate MYSQL connectivity using Type 4 Driver for Data Retrieval.

Code:

```
import java.sql.*;

class Conn1
{
public static void main(String args[])
{
try
{
Class.forName("com.mysql.jdbc.Driver");

Connection
c=DriverManager.getConnection("jdbc:mysql://localhost:3306/5n4","root","root");

Statement s=c.createStatement();

ResultSet r=s.executeQuery("select * from students order by name");

while(r.next())
{
System.out.println(r.getInt(1)+" "+r.getString(2)+" "+r.getString(3));
}

c.close();
}

catch(Exception e)
{
System.out.println(e);
}

}

}
```

OUTPUT:

The screenshot shows the HeidiSQL application window. The title bar reads "HeidiSQL - [New Connection - /Sn4/students]". The menu bar includes File, Edit, Tools, Import, Export, Window, and Help. The toolbar contains various icons for file operations and database actions. The left sidebar shows a tree view of the database structure, with "Sn4" expanded to show "students". The main pane displays "Sn4.students: 3 records total" and a table with the following data:

id	name	address
1	Vyshu	Rajamundry
2	Siri	Chikkala
3	Vijaya	Rajamundry

The bottom pane shows the SQL Log with the following queries:

```
12 SHOW TABLE STATUS LIKE 'students'
13 SELECT * FROM 'students'
14 SHOW TABLES LIKE 'students'
15 SHOW COLUMNS FROM 'students' LIKE '%'
16 SELECT COUNT(*) FROM 'students'
17 SHOW TABLES LIKE 'students'
18 SHOW COLUMNS FROM 'students' LIKE '%'
```

The status bar at the bottom indicates "Connected: 00:01:58" and "Ready". The Windows taskbar at the very bottom shows the system clock as 12:25 on 27-10-2023.

9.b)

Aim: To demonstrate MYSQL connectivity using Type 4 Driver for Data Update.

Code:

```
import java.sql.*;

class Conn2

{
public static void main(String args[])

{
try
{
Class.forName("com.mysql.jdbc.Driver");

Connection
c=DriverManager.getConnection("jdbc:mysql://localhost:3306/5n4","root","root");

Statement s=c.createStatement();

String q="update students set address='Rajamundry' "+" where id in (1,3)";

s.executeUpdate(q);

c.close();

}
catch(Exception e)

{
System.out.println(e);

}

}

}
```

OUTPUT:

HeidiSQL - [New Connection - /Sn4/students]

FileEditToolsImportExportWindowHelp

Limit: 050OK

HostDatabaseTableDataQuery

root@127.0.0.1

information_schema

Sn4

students

data

db1

db2

employee

mydb

mysql

sal

std

test

vasevi

vasevi123

Sn4.students: 2 records total

SortingColumnsNOTSearch

id	name	address
1	Vyshu	Rajamundry
2	Siri	Chikkala

SQL LogBLOB EditorFilter

22 SHOW TABLE STATUS LIKE 'students'

23 SELECT * FROM 'students'

24 SHOW TABLES LIKE 'students'

25 SHOW COLUMNS FROM 'students' LIKE '%'

26 SELECT COUNT(*) FROM 'students'

27 SHOW TABLES LIKE 'students'

28 SHOW COLUMNS FROM 'students' LIKE '%'

Connected: 00:14:57Ready.

31°C

Haze

Search

ENG

IN

12:38

27-10-2023

9.c)

Aim: To demonstrate MYSQL connectivity using Type 4 Driver for Data Deletion.

Code:

```
import java.sql.*;

class Conn3
{
public static void main(String args[])
{
try
{
Class.forName("com.mysql.jdbc.Driver");

Connection
c=DriverManager.getConnection("jdbc:mysql://localhost:3306/5n4","root","root");
Statement s=c.createStatement();

String q="delete from students "+" where name='Vijaya'; s.executeUpdate(q);
c.close();

}
catch(Exception e)
{
System.out.println(e);
}
}
}
```