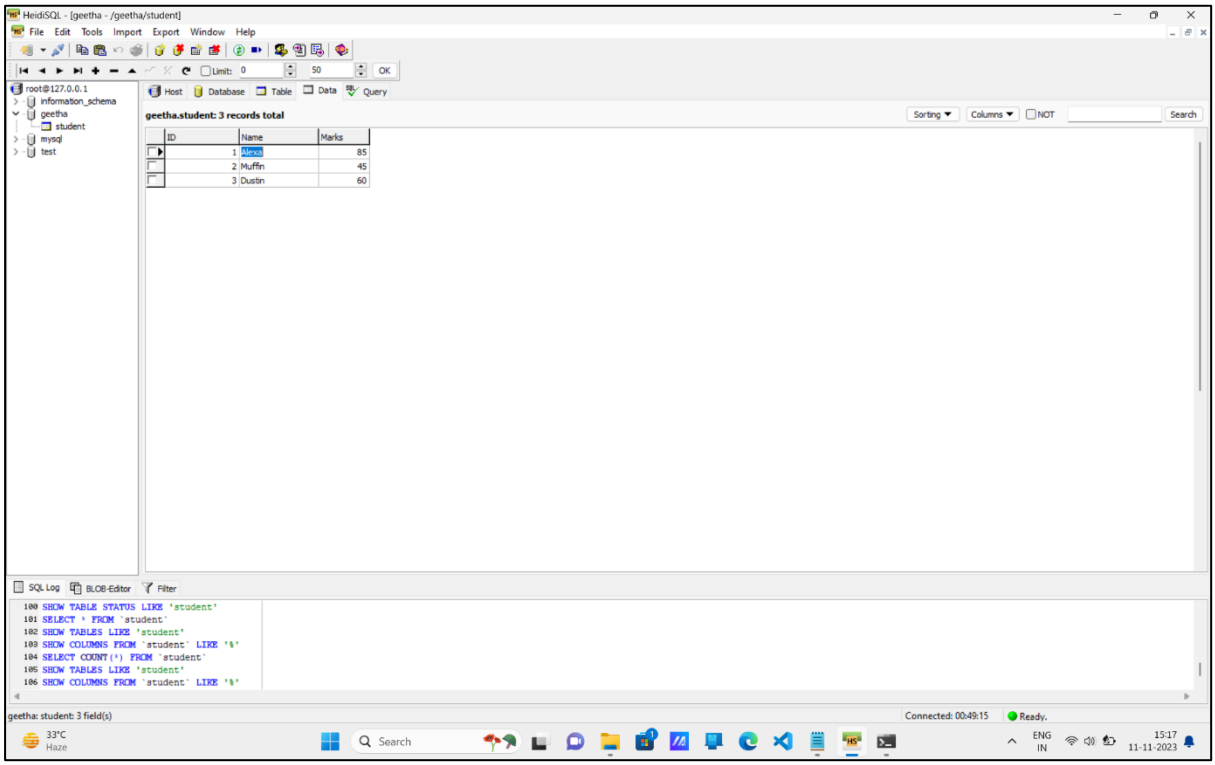
OUTPUT:


HeidiSQL - [geetha - /geetha/student]
File Edit Tools Import Export Window Help
root@127.0.0.1
information_schema
geetha
student
mysql
test
Host Database Table Data Query
geetha.student: 3 records total
Sorting Columns NOT Search
ID Name Marks
1 Alexa 85
2 Muffin 45
3 Dustin 60
SQL Log BLOB-Editor Filter
100 SHOW TABLE STATUS LIKE 'student'
101 SELECT * FROM `student`
102 SHOW TABLES LIKE 'student'
103 SHOW COLUMNS FROM `student` LIKE '%'
104 SELECT COUNT(*) FROM `student`
105 SHOW TABLES LIKE 'student'
106 SHOW COLUMNS FROM `student` LIKE '%'
geetha: student: 3 field(s)
Connected: 00:49:15
Ready.
33°C Haze
Search
ENG IN
15:17 11-11-2023

EXERCISE-10

10.a)

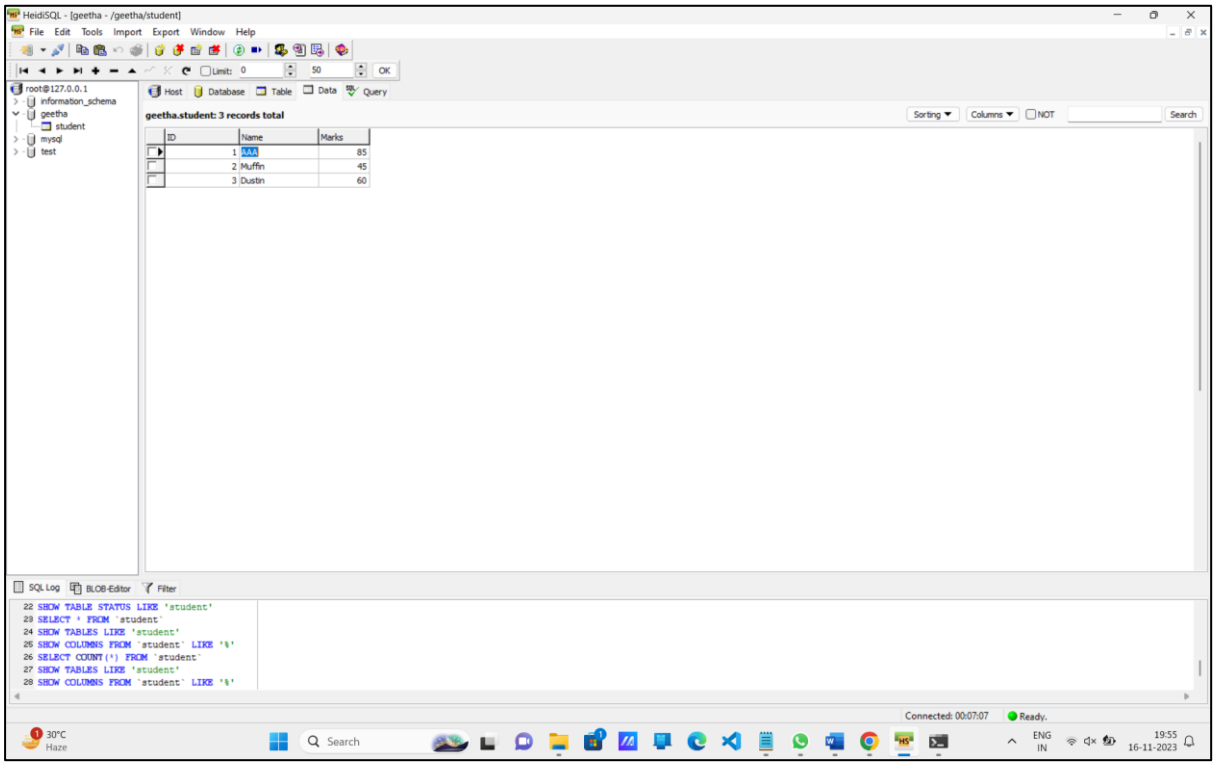
Aim: To demonstrate MYSQL connectivity using Type 4 Driver for Data Insertion using Prepared Statement.

Code:

```
import java.sql.*;
import java.lang.*;
class Conn
{
public static void main(String args[])
{
try
{
Class.forName("com.mysql.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/geetha","root"
,"root");
PreparedStatement ps=con.prepareStatement("insert into student values(?,?,?)");
ps.setInt(1,1);
ps.setString(2,"Alexa");
ps.setInt(3,85);
ps.setInt(1,2);
ps.setString(2,"Muffin");
ps.setInt(3,45);
ps.setInt(1,3);
ps.setString(2,"Dustin");
ps.setInt(3,60);
int res=ps.executeUpdate();
```

```
System.out.println(res+"records inserted");
con.close();
}
catch(Exception e)
{
System.out.println(e);
}
}
}
```

OUTPUT:


HeidiSQL - [geetha - /geetha/student]
File Edit Tools Import Export Window Help
root@127.0.0.1
information_schema
geetha
student
mysql
test
Host Database Table Data Query
geetha.student: 3 records total
Sorting Columns NOT Search
ID Name Marks
1 AAA 85
2 Muffin 45
3 Dustin 60
SQL Log BLOB-Editor Filter
22 SHOW TABLE STATUS LIKE 'student'
23 SELECT * FROM `student`
24 SHOW TABLES LIKE 'student'
25 SHOW COLUMNS FROM `student` LIKE '%'
26 SELECT COUNT(*) FROM `student`
27 SHOW TABLES LIKE 'student'
28 SHOW COLUMNS FROM `student` LIKE '%'
Connected: 00:07:07
Ready.
30°C
Haze
Search
ENG
IN
19:55
16-11-2023

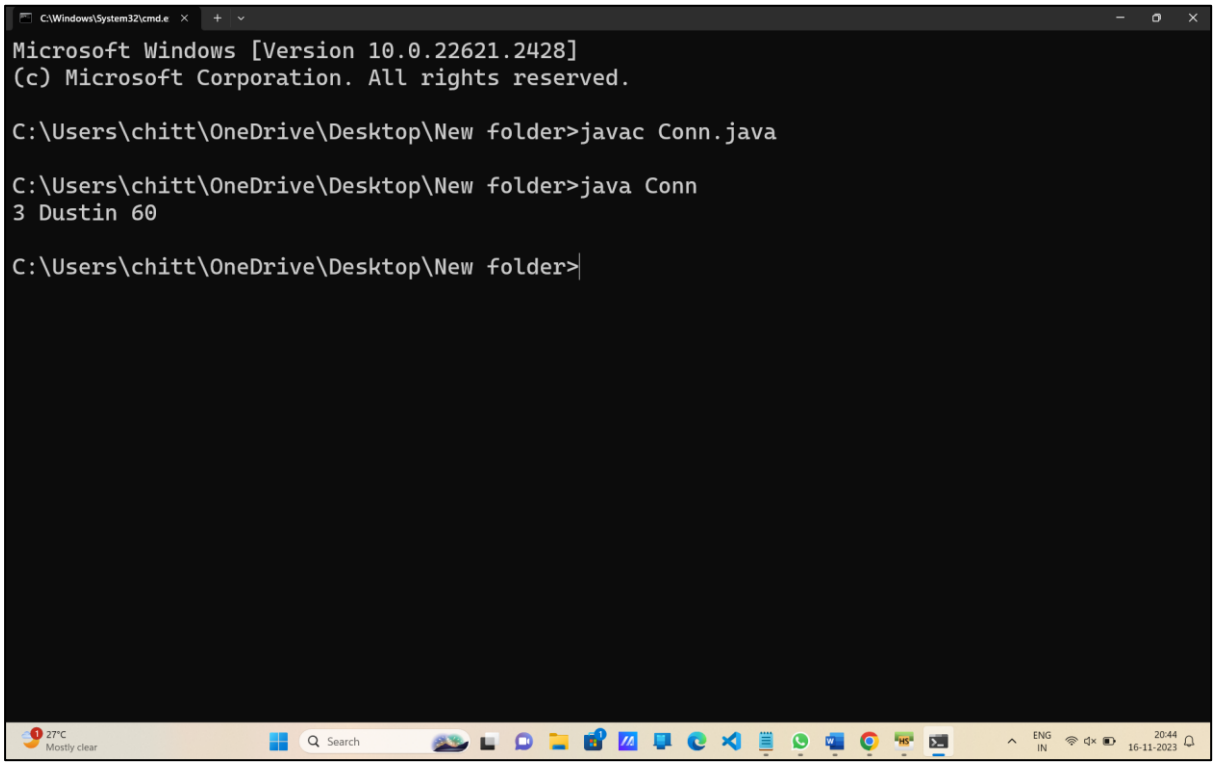
10.b)

Aim: To demonstrate MYSQL connectivity using Type 4 Driver for Data Updation using Prepared Statement.

Code:

```
import java.sql.*;
import java.lang.*;
class Conn
{
public static void main(final String args[])
{
try
{
Class.forName("com.mysql.jdbc.Driver");
final Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/geetha","root"
,"root");
final PreparedStatement ps=con.prepareStatement("update student set Name=?
where id=?");
ps.setString(1,"AAA");
ps.setInt(2,1);
System.out.println(ps.executeUpdate()+" records inserted");
con.close();
}
catch(Exception e)
{
System.out.println(e);
}
}
}
```

OUTPUT:


C:\Windows\System32\cmd.e
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.
C:\Users\chitt\OneDrive\Desktop\New folder>javac Conn.java
C:\Users\chitt\OneDrive\Desktop\New folder>java Conn
3 Dustin 60
C:\Users\chitt\OneDrive\Desktop\New folder>
27°C
Mostly clear
Search
ENG
IN
20:44
16-11-2023

10.c)

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

Code:

```
import java.sql.*;
import java.lang.*;
class Conn{
public static void main(String args[]){
try{
Class.forName("com.mysql.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/geetha","root"
,"root");
PreparedStatement ps=con.prepareStatement("select * from student where
name=?");
ps.setString(1,"Dustin");
ResultSet rs=ps.executeQuery();
while(rs.next())
{
System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getInt(3));
}
con.close();
}
catch(Exception e)
{
System.out.println(e);
}
}
}
```