

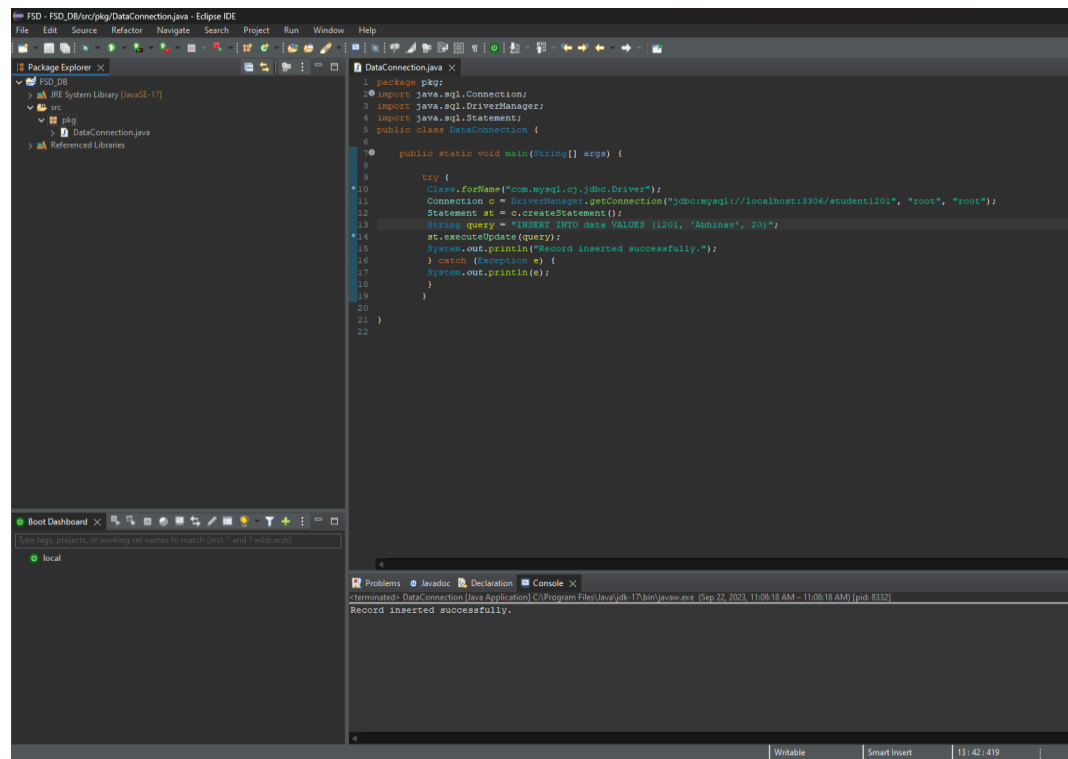
Experiment: 8**AIM:** CONNECT JAVA TO A MYSQL DATABASE using JDBC**Source Code:**

```
package pkg;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class DataConnection {

    public static void main(String[] args) {

        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection c =
DriverManager.getConnection("jdbc:mysql://localhost:3306/student1201", "root", "root");
            Statement st = c.createStatement();
            String query = "INSERT INTO data VALUES (1201, 'Abhinav', 20)";
            st.executeUpdate(query);
            System.out.println("Record inserted successfully.");
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

Output:



```
1 package pkg;
2 import java.sql.Connection;
3 import java.sql.DriverManager;
4 import java.sql.Statement;
5 public class DataConnection {
6
7     public static void main(String[] args) {
8
9         try {
10             Class.forName("com.mysql.cj.jdbc.Driver");
11             Connection c = DriverManager.getConnection("jdbc:mysql://localhost:3306/student1201", "root", "root");
12             Statement st = c.createStatement();
13             String query = "INSERT INTO data VALUES (1201, 'Abhinav', 20)";
14             st.executeUpdate(query);
15             System.out.println("Record inserted successfully.");
16         } catch (Exception e) {
17             System.out.println(e);
18         }
19     }
20 }
21 }
22 }
```

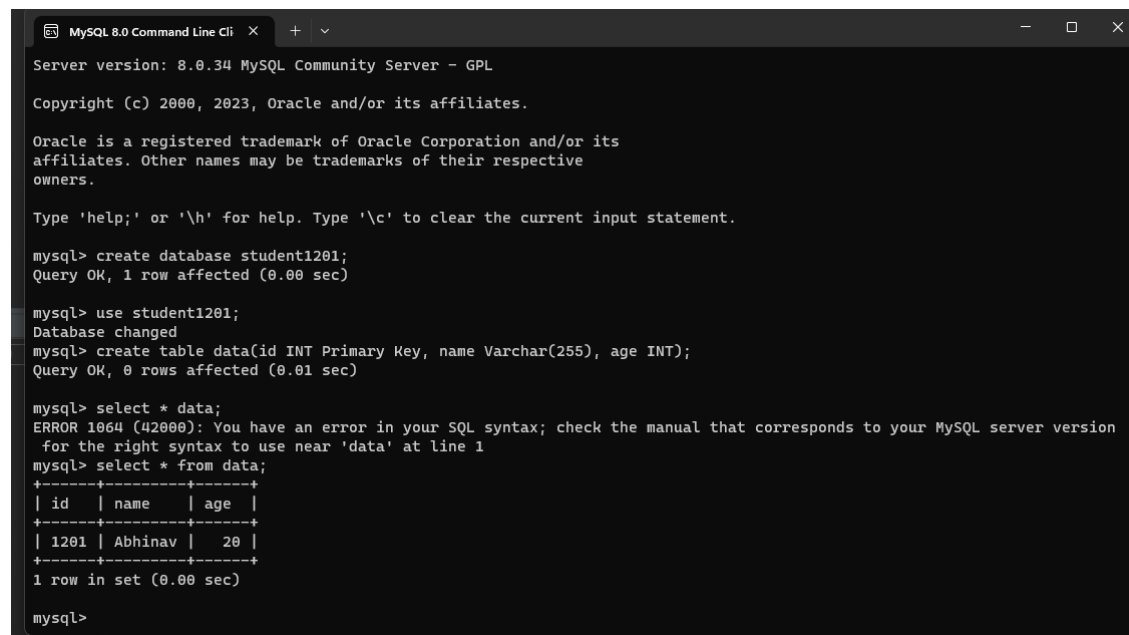
Boot Dashboard

local

Problems | Javadoc | Declaration | Console

<terminated> DataConnection [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe [Sep 22, 2023, 11:08:18 AM - 11:08:18 AM] [pid: 8332]

Record inserted successfully.



```
MySQL 8.0 Command Line Cli

Server version: 8.0.34 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database student1201;
Query OK, 1 row affected (0.00 sec)

mysql> use student1201;
Database changed
mysql> create table data(id INT Primary Key, name Varchar(255), age INT);
Query OK, 0 rows affected (0.01 sec)

mysql> select * data;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version
for the right syntax to use near 'data' at line 1
mysql> select * from data;
+-----+-----+-----+
| id   | name  | age  |
+-----+-----+-----+
| 1201 | Abhinav | 20   |
+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

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