Assignment:11

- Create a Java Program to perform basic CRUD operations on a database.
- Develop a Java application to manage student records using JDBC

CODE:

```
//upate//
/* String query = "update Student set age=22 where stdid=3" ;
Statement st = con.createStatement();
int rowsaffected = st.executeUpdate(query);
System.out.println("Data Updated");
System.out.println(rowsaffected + " rows are updated successfully with increment of age");
con.close();*/

//delete//
String deletedQuery="delete from Student where dataOfJoin <?";
PreparedStatement stm=con.prepareStatement(deletedQuery);
stm.setDate(parameterIndex: 1, Date.valueOf(LocalDate.of( year 2022, month: 3, dayOfMonth: 22)));
int rowsaffected=stm.executeUpdate();
System.out.println(rowsaffected + " rows are deleted successfully");
con.close();

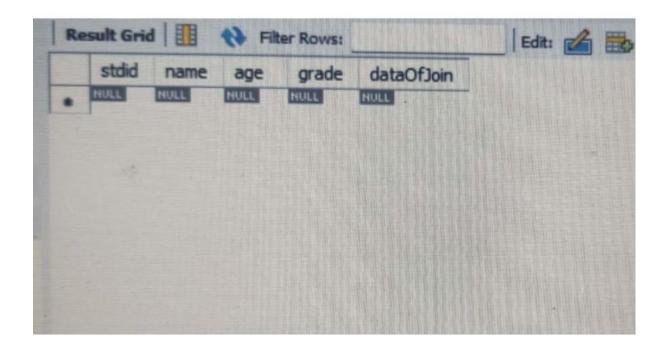
} catch (ClassNotFoundException e) {
System.out.println("mysql jdbc driver is not found in the database");
} catch (SQLException e) {
System.out.println("Connection Failed");
}
</pre>
```

```
/*private static void <a href="mailto:insertdummydata">insertdummydata</a>(PreparedStatement stm, Random rand, int <a href="mailto:stdid">stdid</a>, String name, int age, String grade) throws SQLException {
    stm.setInt(1, <a href="mailto:stdid">stdid</a>);
    stm.setString(2, name);
    stm.setString(4, grade);
    stm.setString(4, grade);
    stm.setDate(5, Date.valueOf(LocalDate.now().minusDays(rand.nextInt(365*5))));
    stm.executeUpdate();*/
}
```

Output1:

```
"C:\Program Files\Java\jdk-21\bin\java.exe"
Connection Successful
Table Created

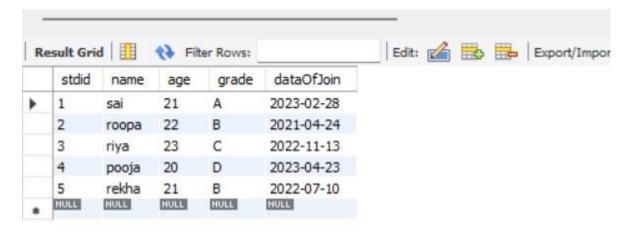
Process finished with exit code 0
```



Output2:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetB
Connection Successful
Data Inserted

Process finished with exit code 0
```



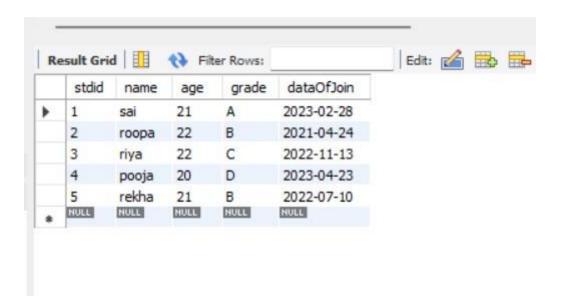
Output3:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Connection Successful

Data Updated

1 rows are updated successfully with increment of age

Process finished with exit code 0
```



Output4:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\
Connection Successful

1 rows are deleted successfully

Process finished with exit code 0
```

