

1] connection

```
package com.college.db;
import java.sql.*;

public class connection {

    public static Connection connectDB() {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver"); // Load MySQL JDBC driver
            Connection con = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/college", "root", "1234");
            return con;
        } catch (SQLException | ClassNotFoundException e) {
            System.out.println(e);
            return null;
        }
    }
}
```

2] GFG.java

```
package com.college.db;

import java.sql.*;
import java.sql.*;

public class GFG {
    public static void main(String[] args) {
        Connection con = null;
        PreparedStatement ps = null;
        ResultSet rs = null;

        con = connection.connectDB();

        try {
            String sql = "SELECT * FROM collegedata";
            ps = con.prepareStatement(sql);
            rs = ps.executeQuery();

            while (rs.next()) {
                System.out.println("Name: " + rs.getString("name"));
                System.out.println("Short: " + rs.getString("short"));
                System.out.println("Email: " + rs.getString("email"));
                System.out.println("Address: " + rs.getString("address"));
                System.out.println("Phone: " + rs.getString("phno"));
                System.out.println("-----");
            }
        } catch (Exception e) {
            System.out.println(e);
        }
    }
}
```

Java - SAGAR/src/com/college/db/GFGjava - Eclipse

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Package Explorer

```

10     PreparedStatement ps = null;
11     ResultSet rs = null;
12
13     con = connection.connectDB();
14
15     try {
16         String sql = "SELECT * FROM collegedata";
17         ps = con.prepareStatement(sql);
18         rs = ps.executeQuery();
19
20         while (rs.next()) {
21             System.out.println("Name: " + rs.getString("name"));
22             System.out.println("Short: " + rs.getString("short"));
23             System.out.println("Email: " + rs.getString("email"));
24             System.out.println("Address: " + rs.getString("address"));
25             System.out.println("Phone: " + rs.getString("phno"));
26             System.out.println("-----");
27         }
28     } catch (Exception e) {
29         System.out.println(e);
30     }
31 }
32 }
33 
```

Problems Declaration Console

```

<terminated> GFG (2) [Java Application] C:\Program Files\Java\jre1.8.0_333\bin\javaw.exe (09-Apr-2025, 2:17:04 PM)
Name: RMDSTIC
Short: RMD
Email: Rnd@college.com
Address: Pune
Phone: 9876543210
-----
Name: RMDSOEE
Short: RMD
Email: rmd@email.com
Address: Warje
Phone: 1239087474
----- 
```

com.college.db.GFG.java - SAGAR/src

MySQL Workbench

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Navigator

Query 1

```

1 • CREATE database college;
2 • USE college;
3 • ◎ CREATE TABLE collegedata (
4     name VARCHAR(50),
5     short VARCHAR(10),
6     email VARCHAR(50),
7     address VARCHAR(100),
8     phno VARCHAR(15)
9     );
10 • INSERT INTO collegedata VALUES ('RMDSTIC', 'RMD', 'Rnd@college.com', 'Pune', '9876543210');
11 • SELECT * FROM collegedata; 
```

Result Grid

name	short	email	address	phno
RMDSTIC	RMD	Rnd@college.com	Pune	9876543210
RMDSOEE	RMD	rmd@email.com	Warje	1239087474

Administration Schemas

Information

Schema: college

Output

#	Time	Action	Message	Duration / Fetch
11	13:57:12	CREATE database college	1row(s) affected	0.000 sec
12	13:59:39	USE college	0row(s) affected	0.000 sec
13	13:59:43	CREATE TABLE collegedata (name VARCHAR(50), short VARCHAR(10), email VARCHAR(50), address V... 0row(s) affected	0.000 sec	
14	13:59:47	INSERT INTO collegedata VALUES ('RMDSTIC', 'RMD', 'Rnd@college.com', 'Pune', '9876543210')	1row(s) affected	0.016 sec
15	14:10:13	select collegedata LIMIT 0, 1000	Error Code: 1054. Unknown column 'collegedata' in field list'	0.000 sec
16	14:13:59	SELECT * FROM collegedata LIMIT 0, 1000	2row(s) returned	0.000 sec / 0.000 sec

Object Info Session