

# **JDBC (Java Database Connectivity)- Mini Project Output**

**By Rishabh Barnwal (Univ. R.N. 2415500389)**

```
Main [Java Application] /Library/Java/JavaVirtualMachines/jdk-22.jdk/Contents/Home/bin/java (Nov 13, 2025, 10:55:43)  
Welcome to JDBC Student Database System  
managed By Rishabh Barnwal
```

## **STUDENT DATABASE MANAGEMENT SYSTEM**

1. Create Table
2. Insert a Student
3. Insert Multiple Students
4. Update Student
5. Update Specific Field
6. Update Multiple Students
7. Delete a Student
8. Delete Multiple Students
9. Show All Students
10. Search Student by ID
11. Search Students by Name
12. Search Students by Course
13. Exit

Choose an option: |

```
Choose an option: 1
```

```
Creating students table...  
Table 'students' created successfully!
```

## **STUDENT DATABASE MANAGEMENT SYSTEM**

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Choose an option: |

5. Update Specific Field
6. Update Multiple Students
7. Delete a Student
8. Delete Multiple Students
9. Show All Students
10. Search Student by ID
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13. Exit

Choose an option: 2

## **INSERT NEW STUDENT**

```
ID: 21  
Enrollment Number: 2415500389  
Name: Rishabh Barnwal  
Age: 19  
Course: Btech CS(AIML)  
Email: rishabh@gla.ac.in  
Phone: +916397681912  
Student inserted successfully!
```

9. Show All Students
10. Search Student by ID
11. Search Students by Name
12. Search Students by Course
13. Exit

Choose an option: 3

## **INSERT MULTIPLE STUDENTS**

```
Enter number of students: 2  
  
Student 1:  
ID: 2415500390  
Invalid input! Please enter a number:  
22  
Enrollment Number: 2415500390  
Name: Rishu Upadhyay  
Age: 20  
Course: Btech  
Email: rishu@gla.ac.in  
Phone: +912233939393  
  
Student 2:  
ID: 23  
Enrollment Number: 2415500391  
Name: rishi dev  
Age: 22  
Course: btech  
Email: rishi@gla.ac.in  
Phone: +913737292819  
2 students inserted successfully!
```

- 9. Show All Students
  - 10. Search Student by ID
  - 11. Search Students by Name
  - 12. Search Students by Course
  - 13. Exit
- Choose an option: 4

#### UPDATE STUDENT

---

Enter student ID to update: 22

Current details:

ID: 22 | Enrollment: 2415500390 | Name: Rishu Upadhyay | Age: 20 | Course:

Enter new details:

ID: 22

Enrollment Number: 2415500392

Name: rudra

Age: 22

Course: btech me

Email: rudra@gla.ac.in

Phone: +919239399

Student updated successfully!

- 5. Update Specific Field
- 6. Update Multiple Students
- 7. Delete a Student
- 8. Delete Multiple Students
- 9. Show All Students
- 10. Search Student by ID
- 11. Search Students by Name
- 12. Search Students by Course
- 13. Exit

Choose an option: 5

#### UPDATE SPECIFIC FIELD

---

Enter student ID: 22

Current details:

ID: 22 | Enrollment: 2415500392 | Name: rudra | Age: 22 | Course: btech me | Email: rudra@gla.ac.in

What would you like to update?

- 1. Enrollment Number
- 2. Name
- 3. Age
- 4. Course
- 5. Email
- 6. Phone

Choose field: 2

Enter new value: Rishika

name updated successfully!

- 4. Update Student
- 5. Update Specific Field
- 6. Update Multiple Students
- 7. Delete a Student
- 8. Delete Multiple Students
- 9. Show All Students
- 10. Search Student by ID
- 11. Search Students by Name
- 12. Search Students by Course
- 13. Exit

Choose an option: 7

#### DELETE STUDENT

---

Enter student ID to delete: 23

Student to delete:

ID: 23 | Enrollment: 2415500391 | Name: rishi dev | Age: 22 | Course: btech | Email: rishi@gla.ac.in

Are you sure? (yes/no): yes

Student deleted successfully!

- 4. Update Student
- 5. Update Specific Field
- 6. Update Multiple Students
- 7. Delete a Student
- 8. Delete Multiple Students
- 9. Show All Students
- 10. Search Student by ID
- 11. Search Students by Name
- 12. Search Students by Course
- 13. Exit

Choose an option: 8

#### DELETE MULTIPLE STUDENTS

---

Enter number of students to delete: 2

Enter ID 1: 12

Enter ID 2: 13

Are you sure you want to delete 2 students? (yes/no): yes

2 students deleted successfully!

- 11. Search Students by Name
- 12. Search Students by Course
- 13. Exit

Choose an option: 9

ALL STUDENTS

---

Total Students: 20

---

ID: 1 | Enrollment: 2415500001 | Name: Rahul Sharma | Age: 20 | Course: Computer Science | Email: rahul.sharma@college.edu | Phone: 9876543  
ID: 2 | Enrollment: 2415500002 | Name: Priya Patel | Age: 19 | Course: Information Technology | Email: priya.patel@college.edu | Phone: 987  
ID: 3 | Enrollment: 2415500003 | Name: Amit Kumar | Age: 21 | Course: Computer Science | Email: amit.kumar@college.edu | Phone: 9876543212  
ID: 4 | Enrollment: 2415500004 | Name: Sneha Reddy | Age: 20 | Course: Electronics Engineering | Email: sneha.reddy@college.edu | Phone: 987  
ID: 5 | Enrollment: 2415500005 | Name: Arjun Singh | Age: 22 | Course: Mechanical Engineering | Email: arjun.singh@college.edu | Phone: 987  
ID: 6 | Enrollment: 2415500006 | Name: Ananya Iyer | Age: 19 | Course: Computer Science | Email: ananya.iyer@college.edu | Phone: 987654321  
ID: 7 | Enrollment: 2415500007 | Name: Vikram Mehta | Age: 21 | Course: Civil Engineering | Email: vikram.mehta@college.edu | Phone: 987654  
ID: 8 | Enrollment: 2415500008 | Name: Neha Gupta | Age: 20 | Course: Information Technology | Email: neha.gupta@college.edu | Phone: 98765  
ID: 9 | Enrollment: 2415500009 | Name: Rohan Desai | Age: 22 | Course: Computer Science | Email: rohan.desai@college.edu | Phone: 987654321  
ID: 10 | Enrollment: 2415500010 | Name: Kavya Nair | Age: 19 | Course: Electrical Engineering | Email: kavya.nair@college.edu | Phone: 9876  
ID: 11 | Enrollment: 2415500011 | Name: Aditya Verma | Age: 21 | Course: Computer Science | Email: aditya.verma@college.edu | Phone: 987654  
ID: 14 | Enrollment: 2415500014 | Name: Diya Kapoor | Age: 19 | Course: Computer Science | Email: diya.kapoor@college.edu | Phone: 98765432  
ID: 15 | Enrollment: 2415500015 | Name: Siddharth Bose | Age: 21 | Course: Mechanical Engineering | Email: siddharth.bose@college.edu | Ph  
ID: 16 | Enrollment: 2415500016 | Name: Riya Malhotra | Age: 20 | Course: Computer Science | Email: riya.malhotra@college.edu | Phone: 9876  
ID: 17 | Enrollment: 2415500017 | Name: Aarav Bansal | Age: 22 | Course: Electronics Engineering | Email: aarav.bansal@college.edu | Phone:  
ID: 18 | Enrollment: 2415500018 | Name: Tara Menon | Age: 19 | Course: Information Technology | Email: tara.menon@college.edu | Phone: 9876  
ID: 19 | Enrollment: 2415500019 | Name: Dev Choudhary | Age: 21 | Course: Computer Science | Email: dev.choudhary@college.edu | Phone: 9876  
ID: 20 | Enrollment: 2415500020 | Name: Pooja Kulkarni | Age: 20 | Course: Civil Engineering | Email: pooja.kulkarni@college.edu | Phone: 9  
ID: 21 | Enrollment: 2415500389 | Name: Rishabh Barnwal | Age: 19 | Course: Btech CS(AIML) | Email: rishabh@gla.ac.in | Phone: +91639768191  
ID: 22 | Enrollment: 2415500392 | Name: Rishika | Age: 22 | Course: btech me | Email: rudra@gla.ac.in | Phone: +919239399

9. Show All Students

- 10. Search Student by ID
- 11. Search Students by Name
- 12. Search Students by Course
- 13. Exit

Choose an option: 10

SEARCH BY ID

---

Enter student ID: 21

---

Student found:

ID: 21 | Enrollment: 2415500389 | Name: Rishabh Barnwal | Age: 19 | Course: Btech CS(AIML)

## SEARCH BY NAME

Enter name (partial match allowed): Rudra

No students found with name: Rudra

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13. Exit

Choose an option: 11

## SEARCH BY NAME

Enter name (partial match allowed): diya

Found 1 student(s):

ID: 14 | Enrollment: 2415500014 | Name: Diya Kapoor | Age: 19 | Course: Computer Scien

12. Search Students by Course
13. Exit

Choose an option: 12

## SEARCH BY COURSE

Enter course name (partial match allowed): Btech

Found 2 student(s):

ID: 21 | Enrollment: 2415500389 | Name: Rishabh Barnwal | Age: 19 | Course: Btech CS(A)

ID: 22 | Enrollment: 2415500392 | Name: Rishika | Age: 22 | Course: btech me | Email: r

- 9. Show All Students
- 10. Search Student by ID
- 11. Search Students by Name
- 12. Search Students by Course
- 13. Exit

Choose an option: 13

Thank you for using Student Management System. Goodbye!