

20/06/2018

**Submission Date:**  
**07/7/2017 JDBC 1,4,5**  
**14/7/2017 - JDBC 6,9,10**  
**and RMI -1**

### RMI

1. Create a RMI application for Client- Server communication. Client requests server to add two integer arguments. Server attends request of client and returns total of that numbers and result returned to the client.

### JDBC

1. Write a JDBC program to fetch all the records from following **Student Details** table in **Student Management** database.

FieldName	Datatype
Stud_Id	Number (Primary key)
Stud_Name	Text (Text Only)
Birth Date	Date
City	Text
Course	Text
Semester	Text
Division	Number

2. Write a Simple JDBC program to insert, update, delete and search records using above mentioned exercise and print on console. (Using Statement)
3. Write a JDBC program to create an entry form and insert and view data in text area using the Student details table. (Using PreparedStatement)

Student Details

Roll No. :

Student Name :

Birth Date :  Day  Month  Year

City :

Course :  Semester :  Division :

BCA  
BSc IT  
MCA

Odd  
Even

1  
2  
3

ADD UPDATE DELETE VIEW

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4. Write a JDBC program for marksheet entry in **Student Marksheet** table in **Student** database. (Using PreparedStatement)

FieldName	Datatype
Stud_Id	Number (Foreign key)
Mark1	Number
Mark2	Number
Mark3	Number
Total	Number
Percentage	Decimal (Scale =2)
Grade	Char

The screenshot shows a Java Swing window titled "Student Marksheet". It contains several text input fields for "Roll No.", "Student Name", "Mark 1", "Mark 2", and "Mark 3". Below these fields are four buttons: "ADD", "UPDATE", "DELETE", and "VIEW". At the bottom of the window is a large empty rectangular box, likely for displaying data or messages.

5. Write a JDBC program for Record Navigation for both the tables.

The screenshot shows a Java Swing window titled "Student Record Navigation". It contains text input fields for "Roll No.", "Student Name", "Birth Date", "City", "Course", "Sem", "Div.", "Mark 1", "Mark 2", "Mar...", "Total", "Per.", and "Grad...". At the bottom of the window are four navigation buttons: "<|", "<", ">", and ">|".

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6. Write a JDBC program for searching the record using roll no. or name and display it in the JTable. (Using CallableStatement)

Student Record Filter

Roll no

Roll no  
Name

SEARCH

Roll No.	Student N...	Mark 1	Mark 2	Mark 3	Total	Percentage	Grade

7. Write a JDBC program for searching the record using birth date and display it in the JTable. (Using CallableStatement)

Student Record Filter

Start Date:  End Date:

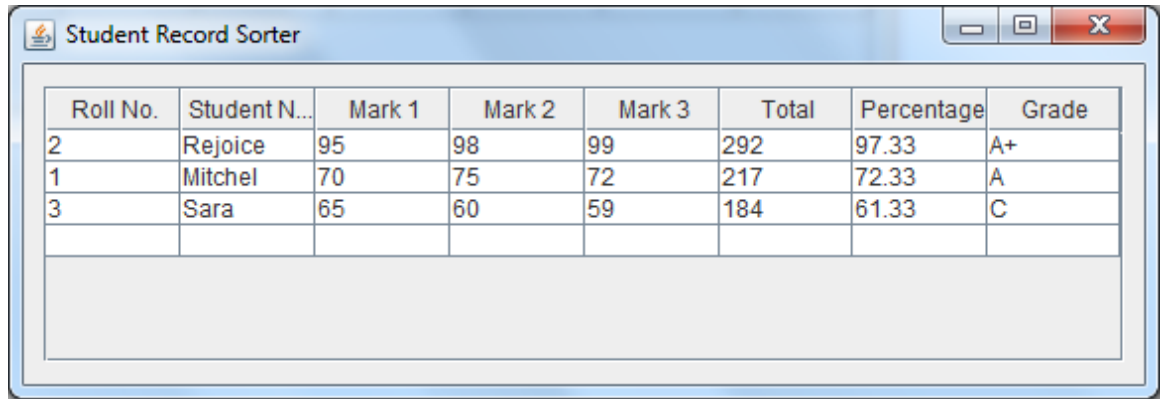
SEARCH

Roll No.	Student N...	Mark 1	Mark 2	Mark 3	Total	Percentage	Grade

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8. Write a JDBC program for Sorting data according to highest Grade using both the tables using JTable.



The screenshot shows a Java Swing window titled "Student Record Sorter". Inside the window is a JTable with 8 columns: Roll No., Student N..., Mark 1, Mark 2, Mark 3, Total, Percentage, and Grade. The table contains three rows of data, sorted by Grade in descending order. Below the table is a large empty rectangular area.

Roll No.	Student N...	Mark 1	Mark 2	Mark 3	Total	Percentage	Grade
2	Rejoice	95	98	99	292	97.33	A+
1	Mitchel	70	75	72	217	72.33	A
3	Sara	65	60	59	184	61.33	C

9. Write a JDBC program to use ResultSetMetaData for Student detail table on console.
10. Write a JDBC program to use DatabaseMetaData for Student Database on JFrame.