Experiment 4

```
import java.sql.*;

public class NewDB {

	public static void main(String[] args) throws ClassNotFoundException,
SQLException {

		String query1 = "INSERT INTO studentdata VALUES (1, 304, 'Karan',
'Kumar', 'abc@gmail.com', 1239874560)";

		String query2 = "select * from studentdata";

		try{

			Class.forName("com.mysql.cj.jdbc.Driver");

			Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/dbms","rutu","Rutu@2511");

			Statement stmt = conn.createStatement();

			System.out.println("Inserting data...");

			stmt.execute(query1);

			System.out.println("Data after insertion...");

			ResultSet rs = stmt.executeQuery(query2);

			System.out.println("SrNo. \t" + "RNo. \t" + "Fname \t\t" + "Lname \t"
+ " Email \t\t" + " Mobile No.\t");

			while(rs.next()){

				System.out.println(" " + rs.getInt("SrNo") + " \t" +
rs.getInt("RollNo") + "\t  " + rs.getString("first_name") + " \t" + rs.getString("last_name")+ "
\t " + rs.getString("email_id") + "\t " + rs.getString("mobile"));

			}

		} catch (SQLException e) {
```

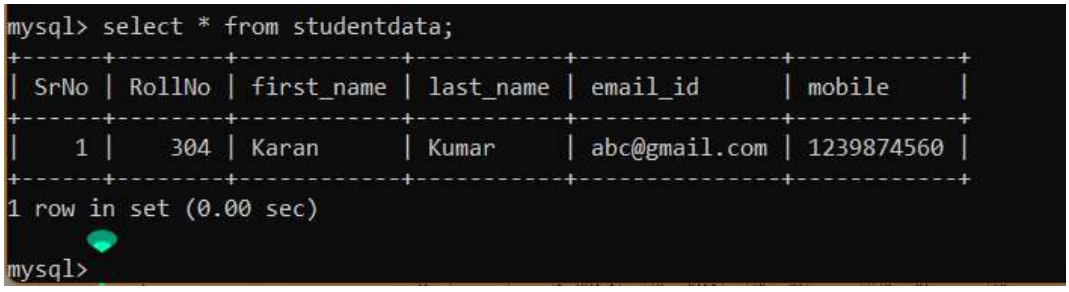
```
                e.printStackTrace();

            } catch (ClassNotFoundException e) {

                e.printStackTrace();

            }

        }

}
```

Output:

Inserting data...

Data after insertion...

SrNo.	RNo.	Fname	Lname	Email	Mobile No.
1	304	Karan	Kumar	abc@gmail.com	1239874560



Name – Hrutuja Ugale
Roll No. 304D052

Experiment No. 8

```
import java.sql.*;
import java.util.Scanner;


public class JDBCEX {
	public static void main(String[] args) {
		Scanner sc = new Scanner(System.in);
		int rn = 0;
		String fn = "";
		String ln = "";
		char ctn = 'N';
		int ch = 0;
		String create = "";
		String read = "";
		String update = "";
		String delete = "";
		try {
			Class.forName("com.mysql.cj.jdbc.Driver");
			Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/dbms","rutu","Rutu@2511");
			System.out.println("Connection Created");
			Statement stmt = conn.createStatement();
			PreparedStatement pstmt = null;
			ResultSet rs;
			do {
				System.out.println("Select CRUD Operation:");
				System.out.println("1.Create \n2.Read \n3.Update \n4.Delete
");
```

```
System.out.println("Enter your choice: "); ch = sc.nextInt();
switch(ch) {
        case 1:
                System.out.println("Enter Roll No.: ");
                rn = sc.nextInt();
                System.out.println("Enter First Name:");
                fn = sc.next();
                System.out.println("Enter Last Name: ");
                ln = sc.next();
                create="insert into classdata values(?,?,?)";
                pstmt = conn.prepareStatement(create);
                pstmt.setInt(1, rn);
                pstmt.setString(2, fn);
                pstmt.setString(3, ln);
                pstmt.execute();
                System.out.println("Data Inserted Successfully\n");
                break;

        case 2:
                read = "select * from classdata";
                pstmt = conn.prepareStatement(read); rs =
pstmt.executeQuery(red);
                System.out.println("RNo.\t " +"FName\t" + "LName
\t");
                while(rs.next()){
                        System.out.println(" " +rs.getInt("rollno") + "\t"
+ rs.getString("first_name") + " \t" + rs.getString("last_name"));
                }
```

```
                    break;
                case 3:
                    System.out.println("Enter first name of student whose
roll no is to update: ");
                    fn = sc.next();
                    System.out.println("Enter correct roll no.:\r\n" );
                    rn = sc.nextInt();
                    update = "UPDATE classdata SET RollNo = rn
WHERE first_name = fn";
                    pstmt=conn.prepareStatement(update);
                    pstmt.setInt(1, rn);
                    pstmt.setString(2, fn);
                    pstmt.execute();
                    System.out.println("Data Updated Successfully\n");
                    break;
                case 4:
                    System.out.println("Enter roll no of student to delete
record: ");
                    rn = sc.nextInt();
                    delete = "DELETE FROM classdata WHERE RollNo="
+ rn;
                    pstmt=conn.prepareStatement(delete); pstmt.execute();
                    System.out.println("Data Deleted Successfully\n");
                    break;
                default :
                    System.out.println("Choice Not Matched...!");
            }
            System.out.println("Do you want to continue:Y/N\n");
```

```
                    ctn = sc.next().charAt(0);
                }while(Character.toUpperCase(ctn)=='Y');
                conn.close();
                System.out.println("Program Terminated...!");
            } catch (SQLException e) {
                e.printStackTrace();
            } catch (ClassNotFoundException e) {
                e.printStackTrace();
            }
        }
}
```

Output:

```
Select CRUD Operation:
1.Create
2.Read
3.Update
4.Delete
Enter your choice:
2
RNo.    FName          LName
 111    rutu     takale
Do you want to continue:Y/N

y
Select CRUD Operation:
1.Create
2.Read
3.Update
4.Delete
Enter your choice:
4
Enter roll no of student to delete record:
111
Data Deleted Successfully
Do you want to continue:Y/N

n
Program Terminated...!
```

Name – Hrutuja Ugale
Roll No. 304D052

```
mysql> select * from classdata;
+--------+------------+-----------+
| RollNo | first_name | last_name |
+--------+------------+-----------+
|    111 | rutu       | takale    |
|    222 | ved        | takale    |
+--------+------------+-----------+
2 rows in set (0.00 sec)
```