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```
import java.sql.*;
class Exp18a {
  public String database = "C:\\Users\\deong\\College\\Java\\Manual-
Programs\\Experiment18\\SampleDatabase.accdb";
  private Connection conn;
  // Create Connection
  public void createConnection() {
    try {
      conn = DriverManager.getConnection("jdbc:ucanaccess://" + database);
    } catch (SQLException e) {
      System.out.println("Connection Failed");
      System.exit(1);
    }
  }
  public void closeConnection() {
    try {
      conn.close();
    } catch (SQLException e) {
      System.out.println("Close Connection Failed ?");
    }
  }
  public void updateQuery(String query) {
    try {
      Statement statement = conn.createStatement();
      statement.executeUpdate(query);
    } catch (SQLException e) {
      System.out.println("Error in updateQuery()");
    }
  }
  public static void main(String[] args) {
    Exp18a dbconn = new Exp18a();
    try {
      Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");
    } catch (Exception e) {
      System.out.println("Error in Loading Driver");
    dbconn.createConnection();
    // dbconn.updateQuery("DROP TABLE Student;");
    dbconn.updateQuery("CREATE TABLE Student (rollno COUNTER PRIMARY KEY, name
TEXT(50));");
    dbconn.updateQuery("INSERT INTO Student (name) VALUES( 'Deon')");
    dbconn.updateQuery("INSERT INTO Student (name) VALUES( 'Agares')");
 }
}
```

```
import java.sql.*;
public class Exp18b {
  public String database = "C:\\Users\\deong\\College\\Java\\Manual-
Programs\\Experiment18\\SampleDatabase.accdb";
  private Connection conn;
  // Create Connection
  public void createConnection() {
    try {
      conn = DriverManager.getConnection("jdbc:ucanaccess://" + database);
    } catch (SQLException e) {
      System.out.println("Connection Failed");
      System.exit(1);
    }
  }
  public void closeConnection() {
    try {
      conn.close();
    } catch (SQLException e) {
      System.out.println("Close Connection Failed ?");
    }
  }
  public void query() throws SQLException {
    Statement st = conn.createStatement();
    String str = "select * from student";
    ResultSet rs = st.executeQuery(str);
    String text = " ";
    System.out.println("Roll Number \t Name");
    while (rs.next()) {
      text = text + rs.getInt(1) + "\t" + rs.getString(2) + "\n";
    System.out.print(text);
  }
  public static void main(String[] args) throws SQLException {
    Exp18b dbconn = new Exp18b();
    try {
      Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");
    } catch (Exception e) {
      System.out.println("Error in Loading Driver");
    dbconn.createConnection();
    System.out.println("Connection to the database created");
    dbconn.query();
  }
}
```

## Roll Number Name 1 Deon

```
import java.sql.*;
class Exp18c {
  public String database = "C:\\Users\\deong\\College\\Java\\Manual-
Programs\\Experiment18\\SampleDatabase.accdb";
  private Connection conn;
  // Create Connection
  public void createConnection() {
    try {
      conn = DriverManager.getConnection("jdbc:ucanaccess://" + database);
    } catch (SQLException e) {
      System.out.println("Connection Failed");
      System.exit(1);
    }
  }
  public void closeConnection() {
    try {
      conn.close();
    } catch (SQLException e) {
      System.out.println("Close Connection Failed ?");
    }
  }
  public void updateQuery(String query) {
    try {
      Statement statement = conn.createStatement();
      statement.executeUpdate(query);
    } catch (SQLException e) {
      System.out.println("Error in updateQuery()");
  }
  public static void main(String[] args) {
    Exp18c dbconn = new Exp18c();
    try {
      Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");
    } catch (Exception e) {
      System.out.println("Error in Loading Driver");
    dbconn.createConnection();
    dbconn.updateQuery("DROP TABLE Employee;");
    dbconn.updateQuery("CREATE TABLE Employee (emp_id INTEGER PRIMARY KEY, emp_name
VARCHAR(50));");
  }
```

}

```
Employee
 All Access ... ⊙ «
                                                           emp_name - Click to Add -
                                          emp_id
 Search...
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  Tables
                              ۸
   圃
        Employee
import java.sql.*;
class Exp18d {
  public String database = "C:\\Users\\deong\\College\\Java\\Manual-
Programs\\Experiment18\\SampleDatabase.accdb";
  private Connection conn;
  // Create Connection
  public void createConnection() {
    try {
      conn = DriverManager.getConnection("jdbc:ucanaccess://" + database);
    } catch (SQLException e) {
      System.out.println("Connection Failed");
      System.exit(1);
    }
  }
  public void closeConnection() {
    try {
      conn.close();
    } catch (SQLException e) {
      System.out.println("Close Connection Failed ?");
    }
  }
  public void printStudents(String where) {
    try {
      Statement statement = conn.createStatement();
      ResultSet resultSet = statement.executeQuery("SELECT * FROM Students WHERE " + where +
";");
      while (resultSet.next()) {
        String employee = "Student " + resultSet.getString("ID") + ":" + "\n\tName : "
            + resultSet.getString("name") + "\n\tPercentage: " + resultSet.getString("percentage");
        System.out.println(employee);
      }
    } catch (SQLException e) {
      System.out.println("Error in Printing Employees With WHERE Condition");
    }
```

```
public static void main(String[] args) {
    Exp18d dbconn = new Exp18d();
    try {
        Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");
    } catch (Exception e) {
        System.out.println("Error in Loading Driver");
    }
    dbconn.createConnection();
    dbconn.printStudents("percentage > 70");
}
```

```
Student 3:
Name : ghi
Percentage : 80
Student 4:
Name : jkl
Percentage : 90
```