**ASSIGNMENT-4**

**NAME: ANDE LAKSHMI SRI GOWRI**

**CODE:**

**MY SQL:**

CREATE DATABASE contact book;

USE contact book;

CREATE TABLE contacts {

id INT AUTO INCREMENT PRIMARY KEY,

name VARCHAR(100),

phone number VARCHAR(15),

email. VARCHAR(100),

address VARCHAR(255)

};

**CONTACT:**

public class Contact {

private int id;

private String name;

private String phone Number;

private String email;

private String address;

public Contact(String name, String phoneNumber, String email, String address) {

this.name name;

this.phoneNumber = phoneNumber,

this email email;

this address address;

public String getName() { return name; }

public String getPhone Number() (return phoneNumber; )

public String getEmail() { return email; }

public String getAddress() {return address; }

}

**DBCONNECTION:**

import java.sql.Connection;

import java.sql.DriverManager;

public class DBConnection {

public static Connection getConnection() {

try{

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

return DriverManager.getConnection

"jdbc:mysql://localhost:3306/contact\_book", "root", "your\_password"

catch (Exception e) {

System.out.println("Database Connection Failed:"+e);

return null;

}

}

}

**CONTACTBOOK:**

import java.sql.

import java.util.\*;

public class ContactBook

static Scanner sc = new Scanner(System.in);

public static void main(String[] args) {

while (true) [

System.out.println("\n1. Add Contact\n2. View Contacts\n3. Exit\nChoose an option:");

int choice = sc.nextint();

sc.nextLine();

switch (choice) {

case 1->addContact();

case 2-viewContacts();

case 3-> System.exit(0);

default -> System.out.println("Invalid choice!");

public static void addContact(){

try (Connection con DBConnection.getConnection()) {

System.out.print("Name: ");

String name = sc.nextLine();

System.out.print("Phone: ");

String phone sc.nextLine();

System.out.print("Email: ");

String email sc.nextLine();

System.out.print("Address: ");

String address = sc.nextLine();

String query = "INSERT INTO contacts (name, phone\_number, email, address) VALUES (7,7,7,?)"

PreparedStatement. ps=con.prepareStatement(query);

ps.setString(1, name);

ps.setString(2, phone);

ps.setString(3, email);

ps.setString(4, address);

ps.executeUpdate();

System.out.println("Contact added successfully!");

}catch (Exception e) {

System.out.println("Error adding contact:"+e);

}

}

public static void viewContacts() {

try (Connection con = DBConnection.getConnection()) {

Statement stcon.createStatement();

ResultSet rsst.executeQuery("SELECT FROM contacts");

while (rs.next()) {

System.out.println("\nID:+rs.getint("id"));

System.out.println("Name:" + rs.getString("name"));

System.out.println("Phone:" rs.getString("phone\_number"));

System.out.println("Email: rs.getString("email"));

System.out.println("Address: "+rs.getString("address"));

}

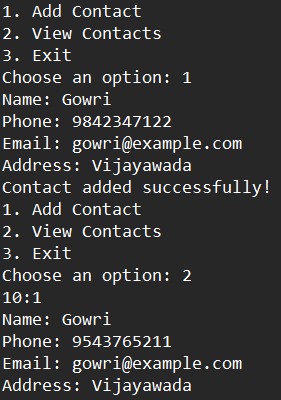
}catch (Exception e) {

System.out.println("Error retrieving contacts: "+e);

}

}

**OUTPUT:**



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AI-generated content may be incorrect.