The JDBC (Java Database Connectivity) steps for connectivity and the flow of execution in program are as follows:

**JDBC Connectivity Steps:**

**1)Load the JDBC Driver:**

In your program, you load the MySQL JDBC driver using the following code:

* code: DriverManager.registerDriver(new com.mysql.jdbc.Driver());

This registers the MySQL JDBC driver with the DriverManager.

**2)Establish a Connection:**

After loading the driver, you establish a connection to the database using the DriverManager.getConnection method.

* con = DriverManager.getConnection("jdbc:mysql://localhost:3306/gqt", "root", "root");

This line establishes a connection to a MySQL database named "gqt" running on localhost with the username "root" and password "root".

**Flow of Execution:**

**1)Main Method:**

* The main method of the jdbccrud class is the entry point of the program.
* It initializes the connection (con) to the database.

**2)Menu Driven Program:**

* The program presents a menu to the user with options like insert, display, search, update, and delete.
* The user enters a choice, and based on the choice, the corresponding method from the crudop class is called.

**3)CRUD Operations:**

The crudop class contains methods for each CRUD operation:

* insert: Inserts a new record into the "employee" table.
* display: Retrieves and displays all records from the "employee" table.
* search: Searches for a specific record based on the employee ID.
* update: Updates the employee name based on the employee ID.
* delete: Deletes a record from the "employee" table based on the employee ID.

**4)User Input and Interaction:**

The program uses Scanner to get input from the user for various operations.

**5)Looping Menu:**

* The program is structured in a loop (do-while) that continues until the user enters '0' to exit.
* Inside the loop, the user's choice determines which CRUD operation is performed.

**6)Exception Handling:**

There is minimal exception handling in the code, such as handling SQLException.

**Table Creation:**

create table employee(employeeId int(11),employeeName varchar(20),employeeSalary int(11));

**Table Schema:**

+----------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+-------------+------+-----+---------+-------+

| employeeId | int(11) | YES | | NULL | |

| employeeName | varchar(20) | YES | | NULL | |

| employeeSalary | int(11) | YES | | NULL | |

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