

➤ Login System Using Java and JDBC

The screenshot shows the IntelliJ IDEA IDE with the `login.java` file open. The code defines a `login` class with a `main` method that prompts the user for their name and password, then calls `Validation.validation` to check the credentials. The `Run` tab shows the execution output, which includes the command used to run the program and the user input. The output shows that the user entered "Mahesh Nikas" and "Mahesh@1234", and the program output "Connection Successful" and "User Not Valid".

```
public class login {  
    new *  
    public static void main(String[] arg) {  
        new *  
        System.out.println(" Enter Your Name");  
        String Name = sc.next();  
        System.out.println(" Enter Your Password");  
        String Pass = sc.next();  
        Validation.validation(Name, Pass);  
    }  
}
```

Run Main_Menu x login x

```
"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2025.2.6\lib\idea_rt.jar=55684" -Dfile.encoding=UTF-8 -Dsun.s  
Name : Mahesh Nikas, Branch : IT  
..... login .....  
Enter Your Name  
Mahesh  
Enter Your Password  
Mahesh@1234  
Connection Successful  
User Not Valid  
  
Name : Mahesh Nikas, Branch : IT  
..... login .....  
Enter Your Name  
|
```

The screenshot shows the IntelliJ IDEA IDE with the `login.java` file open. The code is the same as in the previous screenshot. The `Run` tab shows the execution output, which includes the command used to run the program and the user input. The output shows that the user entered "Mahesh Nikas" and "Mahesh@123", and the program output "Connection Successful" and "User Validate login succesfully".

```
public class login {  
    new *  
    public static void main(String[] arg) {  
        new *  
        System.out.println(" Enter Your Name");  
        String Name = sc.next();  
        System.out.println(" Enter Your Password");  
        String Pass = sc.next();  
        Validation.validation(Name, Pass);  
    }  
}
```

Run Main_Menu x login x

```
Name : Mahesh Nikas, Branch : IT  
..... login .....  
Enter Your Name  
Mahesh  
Enter Your Password  
Mahesh@123  
Connection Successful  
User Validate login succesfully  
  
Name : Mahesh Nikas, Branch : IT  
..... login .....  
Enter Your Name
```

Login System Using Java and JDBC

Project Overview

- Type: Console-based login application
- Technology: Java, JDBC, SQL
- Purpose: Validate user login credentials

Main Features

- Accept username and password from user
- Validate credentials using database
- Allow access for valid user
- Reject invalid user

Program Structure

- login.java – Takes user input and starts login process
- Validation.java – Verifies username and password
- DBConnection.java – Creates database connection
- PropertyLoader.java – Loads database configuration

Database Usage

- Database stores user login details
- Username and password are matched from database

JDBC Components Used

- Connection – Connects Java application to database
- PreparedStatement – Executes login validation query
- ResultSet – Checks whether user exists

Execution Flow

- User enters username and password
- Validation method is called
- Database connection is established
- Credentials are verified
- Login result is displayed

Output Result

- Valid credentials → User Validate login successfully
- Invalid credentials → User Not Valid