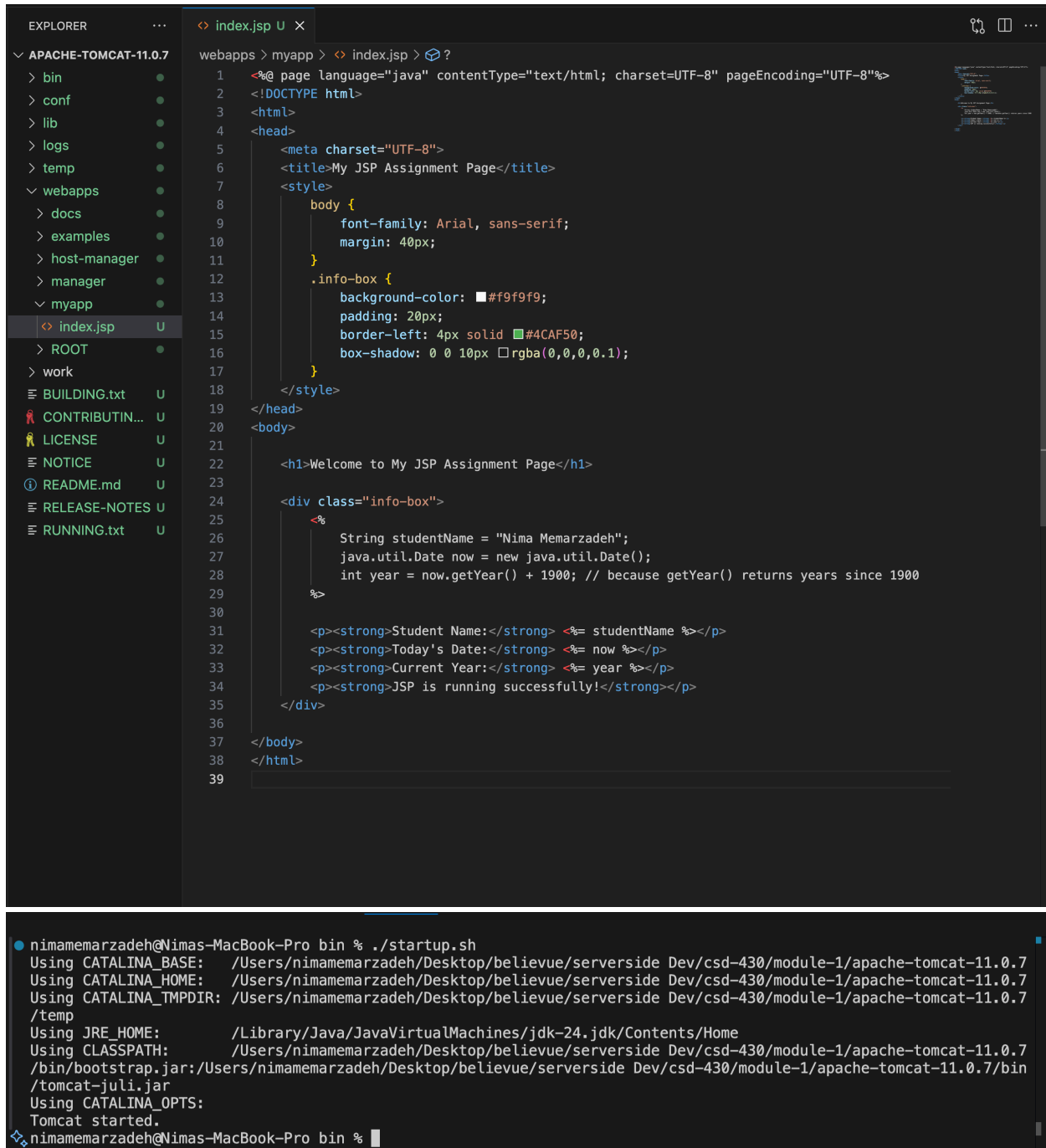


Nima Memarzadeh Module 1 Assignment

I have installed Java (JDK 24), Jakarta Tomcat 11.0.7, and Visual Studio Code as my IDE. I created a test JSP file with Java code and HTML to confirm that everything is working correctly. The screenshots show my configuration and the successful execution of the JSP file.



The image shows a Visual Studio Code editor with a JSP file named `index.jsp` open. The file is located in the `webapps > myapp` directory. The code in the file is as follows:

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
2 <!DOCTYPE html>
3 <html>
4 <head>
5   <meta charset="UTF-8">
6   <title>My JSP Assignment Page</title>
7   <style>
8     body {
9       font-family: Arial, sans-serif;
10      margin: 40px;
11    }
12    .info-box {
13      background-color: #f9f9f9;
14      padding: 20px;
15      border-left: 4px solid #4CAF50;
16      box-shadow: 0 0 10px rgba(0,0,0,0.1);
17    }
18  </style>
19 </head>
20 <body>
21
22   <h1>Welcome to My JSP Assignment Page</h1>
23
24   <div class="info-box">
25     <%
26       String studentName = "Nima Memarzadeh";
27       java.util.Date now = new java.util.Date();
28       int year = now.getYear() + 1900; // because getYear() returns years since 1900
29     %>
30
31     <p><strong>Student Name:</strong> <%= studentName %></p>
32     <p><strong>Today's Date:</strong> <%= now %></p>
33     <p><strong>Current Year:</strong> <%= year %></p>
34     <p><strong>JSP is running successfully!</strong></p>
35   </div>
36
37 </body>
38 </html>
39
```

The Explorer view on the left shows the project structure, with `index.jsp` selected under the `myapp` directory. The output window at the bottom shows the command to start the Tomcat server and the resulting output, indicating that the server has started successfully.

```
● nimamemarzadeh@Nimas-MacBook-Pro bin % ./startup.sh
Using CATALINA_BASE:   /Users/nimamemarzadeh/Desktop/believe/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7
Using CATALINA_HOME:   /Users/nimamemarzadeh/Desktop/believe/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7
Using CATALINA_TMPDIR: /Users/nimamemarzadeh/Desktop/believe/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7/temp
Using JRE_HOME:        /Library/Java/JavaVirtualMachines/jdk-24.jdk/Contents/Home
Using CLASSPATH:       /Users/nimamemarzadeh/Desktop/believe/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7/bin/bootstrap.jar:/Users/nimamemarzadeh/Desktop/believe/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
❖ nimamemarzadeh@Nimas-MacBook-Pro bin %
```

```
● nimamemarzadeh@Nimas-MacBook-Pro bin % ./shutdown.sh
Using CATALINA_BASE:   /Users/nimamemarzadeh/Desktop/believue/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7
Using CATALINA_HOME:   /Users/nimamemarzadeh/Desktop/believue/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7
Using CATALINA_TMPDIR: /Users/nimamemarzadeh/Desktop/believue/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7/temp
Using JRE_HOME:        /Library/Java/JavaVirtualMachines/jdk-24.jdk/Contents/Home
Using CLASSPATH:        /Users/nimamemarzadeh/Desktop/believue/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7/bin/bootstrap.jar:/Users/nimamemarzadeh/Desktop/believue/serverside Dev/csd-430/module-1/apache-tomcat-11.0.7/bin/tomcat-juli.jar
Using CATALINA_OPTS:
❖ nimamemarzadeh@Nimas-MacBook-Pro bin %
```

← → ↺ 🔍 localhost:8080/myapp/

🔍 ☆ 📁 📄 📄 📄 📄

Welcome to My JSP Assignment Page

Student Name: Nima Memarzadeh

Today's Date: Wed May 28 11:32:11 PDT 2025

Current Year: 2025

JSP is running successfully!