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*Transforming Education Transforming India*

**Computer Science and Engineering**

**Lovely Professional University**

**Punjab**

**Course: Computer Science Engineering**

**Course Code: CSV204**

**Dated: - 14/11/2025**

**Submitted by**

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**Registration Number: 12325947**

 New Project X

Q

New Project

-  Java
-  Kotlin
-  Groovy
-  Empty Project

Generators

-  Maven Archetype
-  JavaFX
-  Spring 🔒

To create a general Maven project, go to the [Java page](#).

Name:

Location:  📁

Project will be created in: D:\BYOD\Feedback-Portal\FeedbackPortal

Create Git repository

JDK:

Catalog:  Manage catalogs...

Archetype:  Add...

Version:

Additional Properties

+	-
No properties	

> Advanced Settings

? Create Cancel

The screenshot shows the IntelliJ IDEA interface with the following details:

- Project View:** Shows the project structure under "FeedbackPortal".
- Pom.xml Content:** The current file is `pom.xml (feedback-portal)`. The XML code defines a Maven project with the following configuration:
  - `<packaging>war</packaging>`
  - `<name>Feedback Portal</name>`
  - `<properties>` section includes:
    - `<maven.compiler.source>17</maven.compiler.source>`
    - `<maven.compiler.target>17</maven.compiler.target>`
    - `<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>`
  - `<dependencies>` section contains two dependency blocks:
    - First dependency: `<groupId>jakarta.servlet</groupId>`, `<artifactId>jakarta.servlet-api</artifactId>`, `<version>5.0.0</version>`, `<scope>provided</scope>`
    - Second dependency: `<groupId>jakarta.servlet.jsp</groupId>`, `<artifactId>jakarta.servlet.jsp-api</artifactId>`, `<version>3.0.0</version>`, `<scope>provided</scope>`
- Terminal:** Shows the message "[INFO] No sources to compile".
- Status Bar:** Displays "12:1 CRLF UTF-8 4 spaces".

The screenshot shows the IntelliJ IDEA interface with the following details:

- Project View:** Shows the project structure under "FeedbackPortal".
- Code Editor:** The current file is `feedbackPortal.java`. The Java code is as follows:

```
1 package com.feedback.demo;
2
3 public class feedbackPortal { no usages new *
4     public static void main(String[] args) {
5 }
```
- Terminal:** Shows the message "[INFO] No sources to compile".
- Status Bar:** Displays "4:5 CRLF UTF-8 4 spaces".

The terminal window displays the Maven build output:

```
[INFO] Packaging webapp
[INFO] Assembling webapp [feedback-portal] in [D:\BYOD\Feedback-Portal\FeedbackPortal\target\feedback-portal]
[INFO] Processing war project
[INFO] Copying webapp resources [D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\webapp]
[INFO] Building war: D:\BYOD\Feedback-Portal\FeedbackPortal\target\feedback-portal.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 7.189 s
[INFO] Finished at: 2025-11-14T13:50:03+05:30
[INFO] -----
```

The IDE interface shows the project structure on the left and the code editor on the right.

**Project Structure:**

- com.feedback.demo
- FeedbackPortal
- Main.java
- Main.class
- FeedbackPortal.java
- pom.xml
- index.jsp
- web.xml
- WEB-INF
- resources
- java
- bin
- kPortal

**Code Editor (FeedbackPortal.java):**

```
package com.feedback.demo;

import java.util.ArrayList;

public class FeedbackPortal {
    private static ArrayList<String> feedbackList = new ArrayList<>();

    public static boolean addFeedback(String feedback) {
        if (feedback == null || feedback.trim().isEmpty()) {
            return false;
        }
        feedbackList.add(feedback.trim());
        return true;
    }

    public static ArrayList<String> getAllFeedback() {
        return feedbackList;
    }
}
```

**Terminal:**

```
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> javac com/feedback/demo/*.java
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> java com.feedback.demo.Main
Added empty? false
- Nice work!
- Very good project.
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> []
```

The screenshot shows a Java development environment with the following details:

- Project Structure:** The project is named "FeedbackPortal" and contains a package "com.feedback.demo". Inside this package are classes "FeedbackPortal" and "Main".
- Main.java Content:**

```
package com.feedback.demo;
public class Main {
    public static void main(String[] args) {
        boolean added1 = FeedbackPortal.addFeedback(" ");
        System.out.println("Added empty? " + added1);

        FeedbackPortal.addFeedback("Nice work!");
        FeedbackPortal.addFeedback("Very good project.");

        for (String f : FeedbackPortal.getAllFeedback()) {
            System.out.println("- " + f);
        }
    }
}
```
- Terminal Output:**

```
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> javac com/feedback/demo/*.java
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> java com.feedback.demo.Main
Added empty? false
- Nice work!
- Very good project.
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java>
```

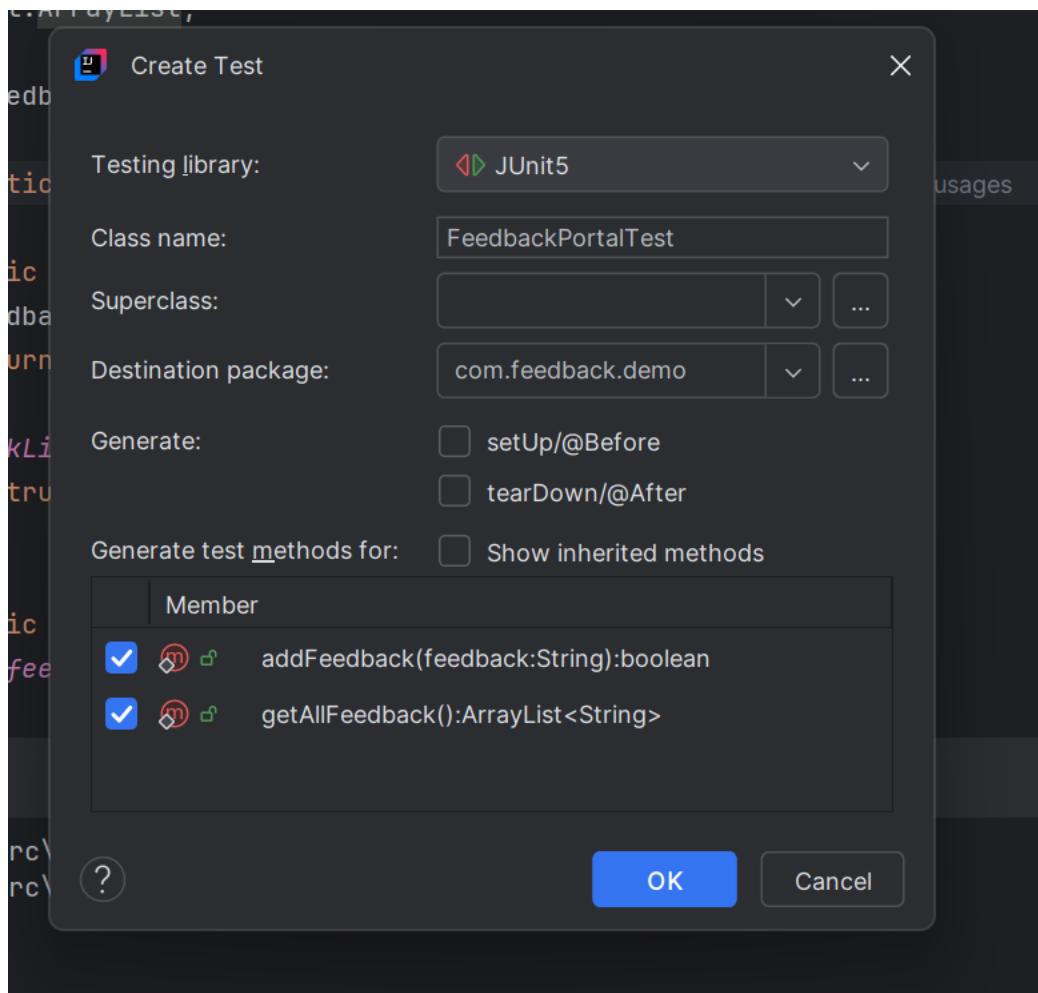
The screenshot shows a Java development environment with the following details:

- Project Structure:** The project is named "FeedbackPortal" and contains a package "com.feedback.demo". Inside this package are classes "FeedbackPortal" and "Main".
- pom.xml Content:**

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
                             http://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.feedback.demo</groupId>
    <artifactId>FeedbackPortal</artifactId>
    <version>1.0-SNAPSHOT</version>
    <dependencies>
        <dependency>
            <groupId>org.junit.jupiter</groupId>
            <artifactId>junit-jupiter-api</artifactId>
            <version>5.9.3</version>
            <scope>test</scope>
        </dependency>
        <dependency>
            <groupId>org.junit.jupiter</groupId>
            <artifactId>junit-jupiter</artifactId>
            <version>5.9.3</version>
            <scope>test</scope>
        </dependency>
    </dependencies>

```
- Terminal Output:**

```
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> javac com/feedback/demo/*.java
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java> java com.feedback.demo.Main
Added empty? false
- Nice work!
PS D:\BYOD\Feedback-Portal\FeedbackPortal\src\main\java>
```



The screenshot shows the IntelliJ IDEA interface with the following details:

- Project Structure:** The project is named "FeedbackPortal" located at "D:\BYOD\Feedback-Portal". It contains ".idea", ".mvn", "src" (with "main" and "java" subfolders), "resources", "webapp", and "WEB-INF".
- Code Editor:** The "FeedbackPortalTest.java" file is open, containing Java test code for the "FeedbackPortal" class.
- Terminal:** The terminal shows the output of a build and test command:

```
[INFO] Running com.feedback.demo.FeedbackPortalTest
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.054 s - in com.feedback.demo.FeedbackPortalTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.392 s
[INFO] Finished at: 2025-11-14T13:27:27+05:30
[INFO] -----
```
- Status Bar:** Shows the path "FeedbackPortal > src > test > java > com > feedback > demo > FeedbackPortalTest > getAllFeedback", and file statistics: 13:10 CRLF, UTF-8, 4 spaces.

The screenshot shows the IntelliJ IDEA interface with the following details:

- Project Structure:** The project is named "FeedbackPortal" located at "D:\BYOD\Feedback-Portal". It contains ".idea", ".mvn", "src" (with "main" and "java" subfolders), "resources", "webapp" (with "WEB-INF" and "index.jsp" files), "target", ".gitignore", "pom.xml", "External Libraries", and "Scratches and Consoles".
- Code Editor:** The "index.jsp" file is open, displaying JSP code. The code handles POST requests to add feedback and redirects to "feedback.jsp" if successful, or displays an error message otherwise.
- Terminal:** The terminal shows the path "FeedbackPortal > src > main > webapp > index.jsp", and file statistics: 40:1 CRLF, UTF-8, 4 spaces.

The screenshot shows the IntelliJ IDEA interface. The code editor displays a JSP file named `feedback.jsp` with the following content:

```
<%@ page imports="java.util.ArrayList" %>
<%@ page import="com.feedback.demo.feedbackPortal" %>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>

<html>
<head>
    <title>All Feedback</title>
</head>
<body>

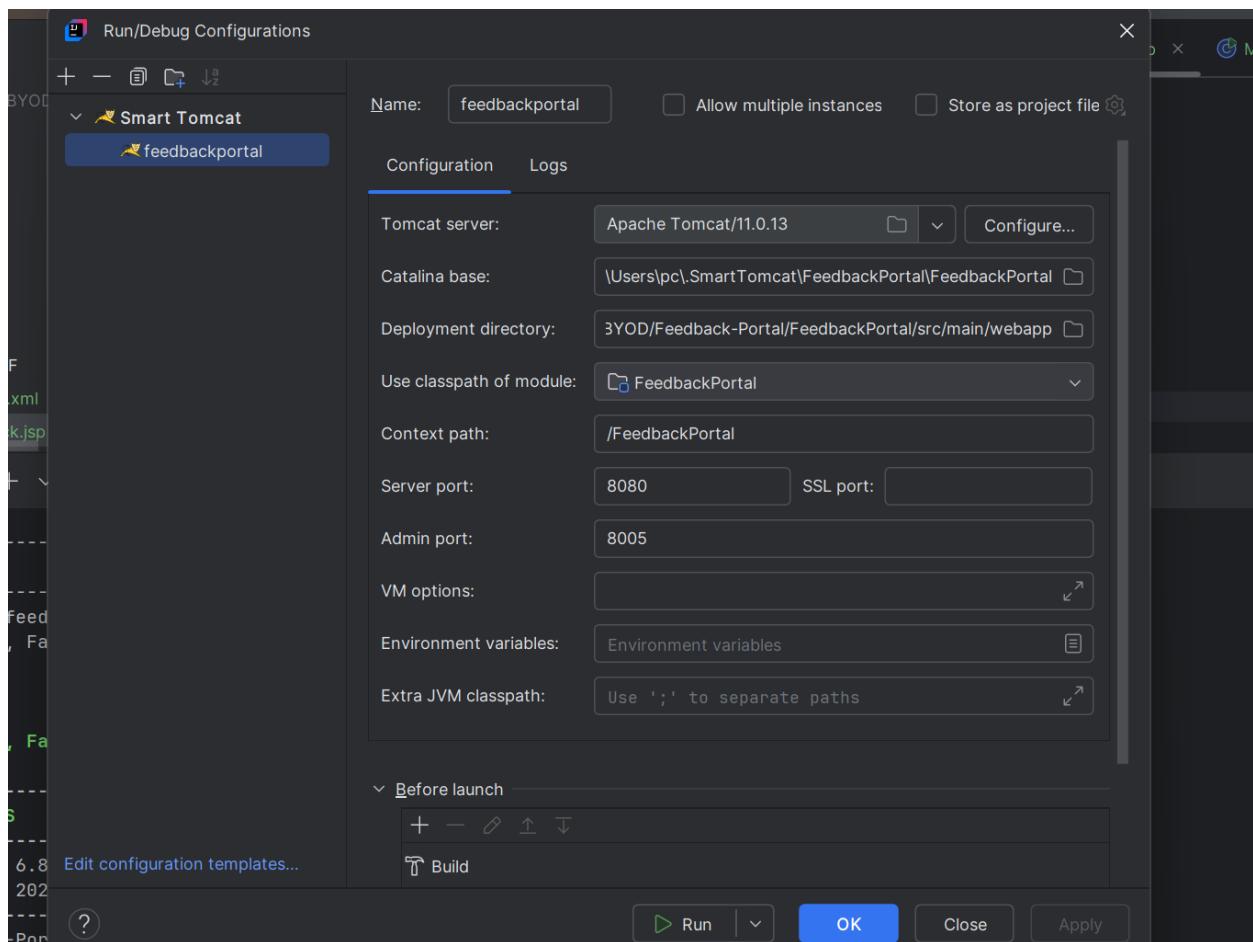
<h2>All Submitted Feedback</h2>

<%
    ArrayList<String> list = feedbackPortal.getAllFeedback();
%>

<% if (list.isEmpty()) { %>
    <p>No feedback submitted yet.</p>
<% } else { %>

    <ul>
        <% for (String fb : list) { %>
            <li><%= fb %></li>
        <% } %>
    </ul>
<% } %>
```

The project structure on the left shows a Java-based web application named `FeedbackPortal` with a `src` directory containing `main`, `java`, `resources`, `webapp`, and `WEB-INF`. Inside `webapp`, there are `index.jsp` and `feedback.jsp`. The `WEB-INF` folder contains `web.xml`.



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.26200.6901]
(c) Microsoft Corporation. All rights reserved.

D:\apache-tomcat-11.0.13\bin>startup.bat
Using CATALINA_BASE: "D:\apache-tomcat-11.0.13"
Using CATALINA_HOME: "D:\apache-tomcat-11.0.13"
Using CATALINA_TMPDIR: "D:\apache-tomcat-11.0.13\temp"
Using JRE_HOME: "C:\Program Files\Java\jdk-25"
Using CLASSPATH: "D:\apache-tomcat-11.0.13\bin\bootstrap.jar;D:\apache-tomcat-11.0.13\bin\tomcat-juli.jar"
Using CATALINA_OPTS: ""
D:\apache-tomcat-11.0.13\bin>
```

```
Console Tomcat Localhost Log Tomcat Access Log
at org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:977)
...
Caused by: java.lang.IllegalArgumentException: The main resource set specified [C:\apache-tomcat-11.0.13] is not a directory or war file, o
    at org.apache.catalina.webresources.StandardRoot.createMainResourceSet(StandardRoot.java:758)
    at org.apache.catalina.webresources.StandardRoot.startInternal(StandardRoot.java:715)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:164)
...
14-Nov-2025 13:56:17.650 INFO [main] org.apache.catalina.startup.HostConfig.deployDescriptor Deployment of deployment descriptor [c:\Users\pc\.
14-Nov-2025 13:56:17.657 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler ["http-nio-8080"]
14-Nov-2025 13:56:17.697 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [690] milliseconds
http://localhost:8080/FeedbackPortal
```

