JENKINS CI/CD PIPELINE GUIDE

STEP 1 — CREATE BUILD JOB
1. Jenkins   New Item
Name: MavenWeb_Build
Type: Freestyle project

2. Configure:
Source Code Management   Git
Repository URL: https://github.com/shashank0103/MavenWeb
Branch: */main

3. Build Steps:
Invoke Maven (clean)
Invoke Maven (install)

4. Post-Build:
Archive artifacts: **/*
Build other projects: MavenWeb_Test (Only if stable)

STEP 2 — CREATE TEST JOB
1. Jenkins   New Item   MavenWeb_Test

2. Configure:
Delete workspace before build

3. Build Steps:
Copy artifacts from MavenWeb_Build
Invoke Maven: test

4. Post-Build:
Archive artifacts
Build other projects   MavenWeb_Deploy

STEP 3 — CREATE DEPLOY JOB
1. Jenkins   New Item   MavenWeb_Deploy

2. Configure:
Delete workspace before build

3. Build Step:
Copy artifacts from MavenWeb_Test

4. Post-Build:
Deploy WAR/EAR to container
WAR files: **/*.war
Context path: webpath
Tomcat 9.x Remote:
URL: http://localhost:8085/
Username: admin

Password: 1234

STEP 4 — CREATE PIPELINE VIEW
Dashboard   +   Build Pipeline View
Name: MavenWeb_Pipeline
Initial Job: MavenWeb_Build

STEP 5 — RUN PIPELINE
Pipeline flow should be:
MavenWeb_Build   MavenWeb_Test   MavenWeb_Deploy (all green)