

## Jenkins CI/CD Pipeline – Demonstration Overview

### Objective:

To demonstrate a working CI/CD pipeline using Jenkins that automates the deployment of a web application.

### Pipeline Description:

This project uses Jenkins to automatically fetch code from a GitHub repository, execute pipeline stages, and deploy the application without manual intervention whenever code changes are pushed.

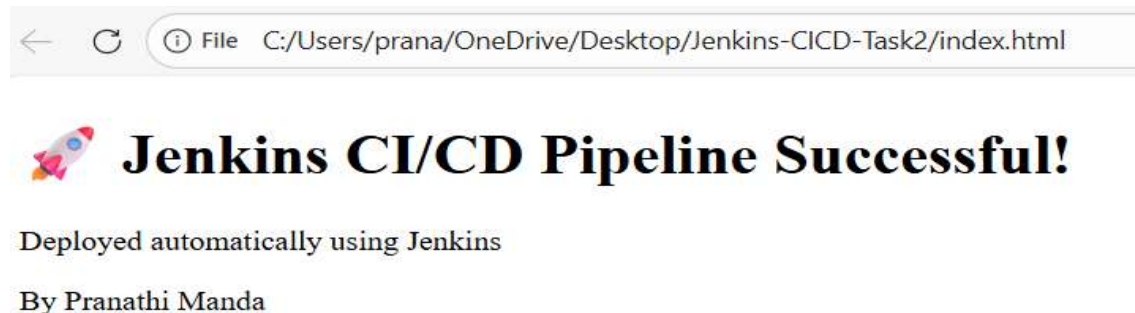
### Automation Proof:

Any change made to the source code and pushed to GitHub triggers the Jenkins pipeline automatically and updates the deployed output, proving successful continuous deployment.

### Tools Used:

- Jenkins
- Git & GitHub
- HTML Web Application

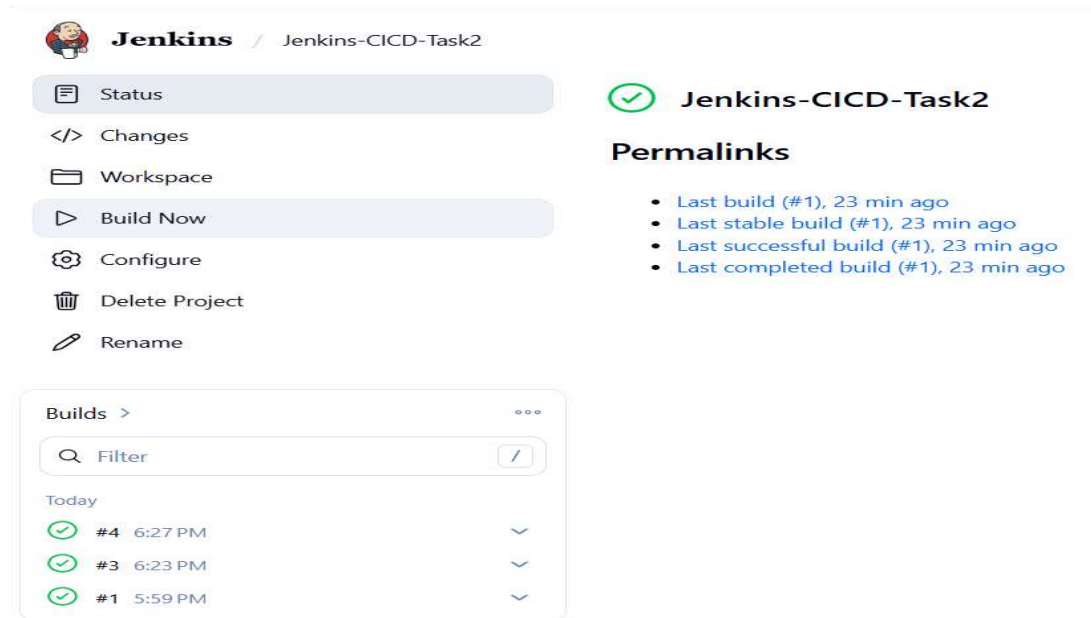
## EXISTING WEB PAGE



## COMMITTED AFTER CHANGES

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\prana\OneDrive\Desktop\Jenkins-CICD-Task2> git add .
PS C:\Users\prana\OneDrive\Desktop\Jenkins-CICD-Task2> git commit -m "Testing for Automatic Deployment"
[master bc90501] Testing for Automatic Deployment
PS C:\Users\prana\OneDrive\Desktop\Jenkins-CICD-Task2> git push
Enumerating objects: 9, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 782 bytes | 782.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/pranathi-manda72/Jenkins-CICD-Task2.git
 40cff67..bc90501 master -> master
PS C:\Users\prana\OneDrive\Desktop\Jenkins-CICD-Task2>
```

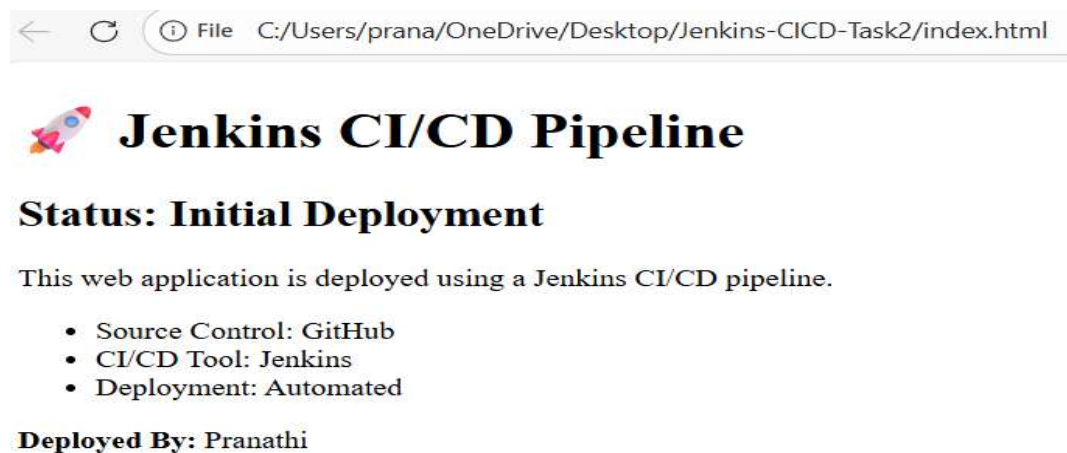
## BUILD NOW IN JENKINS



The screenshot shows the Jenkins web interface for a project named "Jenkins-CICD-Task2". The left sidebar contains a menu with the following items: Status (selected), Changes, Workspace, Build Now (highlighted), Configure, Delete Project, and Rename. The main content area displays the project name "Jenkins-CICD-Task2" with a green checkmark icon. Below this, there is a section titled "Permalinks" with a list of links: "Last build (#1), 23 min ago", "Last stable build (#1), 23 min ago", "Last successful build (#1), 23 min ago", and "Last completed build (#1), 23 min ago". At the bottom, there is a "Builds" section with a search filter and a list of builds. The builds listed are:

Build Number	Time	Status
#4	6:27 PM	Success
#3	6:23 PM	Success
#1	5:59 PM	Success

## AUTOMATIC DEPLOYMENT AFTER BUILD NOW



The screenshot shows a web browser window with the address bar displaying "C:/Users/prana/OneDrive/Desktop/Jenkins-CICD-Task2/index.html". The page content includes a rocket icon and the title "Jenkins CI/CD Pipeline". Below the title, the status is "Status: Initial Deployment". A paragraph states: "This web application is deployed using a Jenkins CI/CD pipeline." A bulleted list follows:


- Source Control: GitHub
- CI/CD Tool: Jenkins
- Deployment: Automated

At the bottom, it says "Deployed By: Pranathi".

**AGAIN TESTED**

← ↻ ⓘ File

C:/Users/prana/OneDrive/Desktop/Jenkins-CICD-Task2/index.html



# CI/CD Automation Proof

This content changed automatically without manual deployment.

**Triggered By:** GitHub Webhook


**CI/CD Tool:** Jenkins

**Pipeline Type:** Jenkinsfile


**Deployment Timestamp:** 30/1/2026, 7:09:33 pm

**Author:** Pranathi

**TESTED FOR MULTIPLE TIMES TO ENSURE AUTOMATION**

 Jenkins

+ New Item

 Build History

Build Queue

No builds in the queue.

Build Executor Status

0/2

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	Jenkins-CICD-Task2	7 min 53 sec #6	N/A	2 sec

Icon: S M L

🔍 ⚙️ 👤

Add description