

## Lab Exercise 20

### Creating a Pipeline Script

**Objective:** To create a pipeline script for automating build processes in Jenkins

**Tools required:** Jenkins

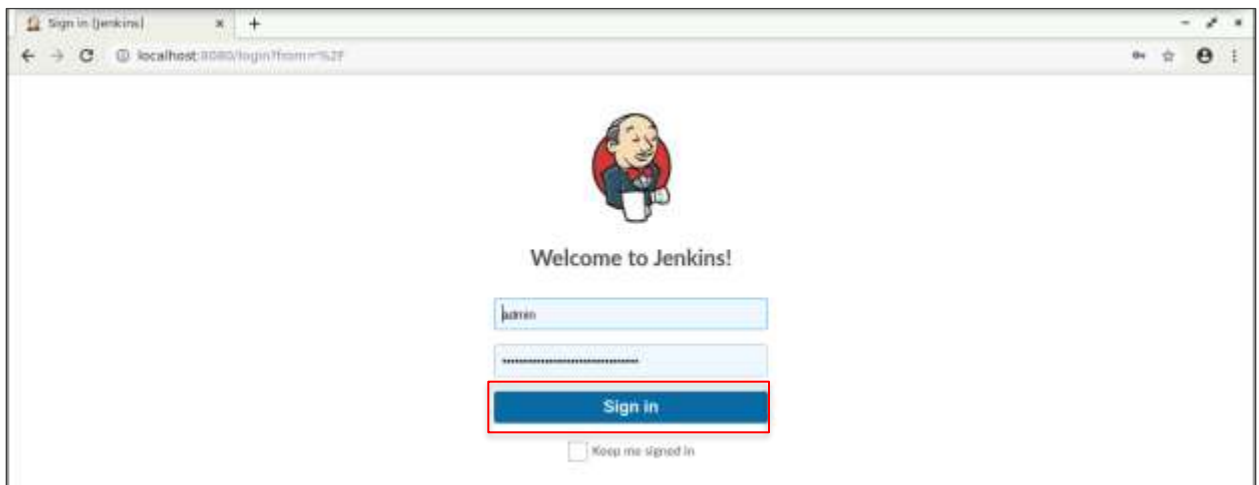
**Prerequisites:** None

Steps to be followed:

1. Log in to the Jenkins CI tool and create a pipeline script

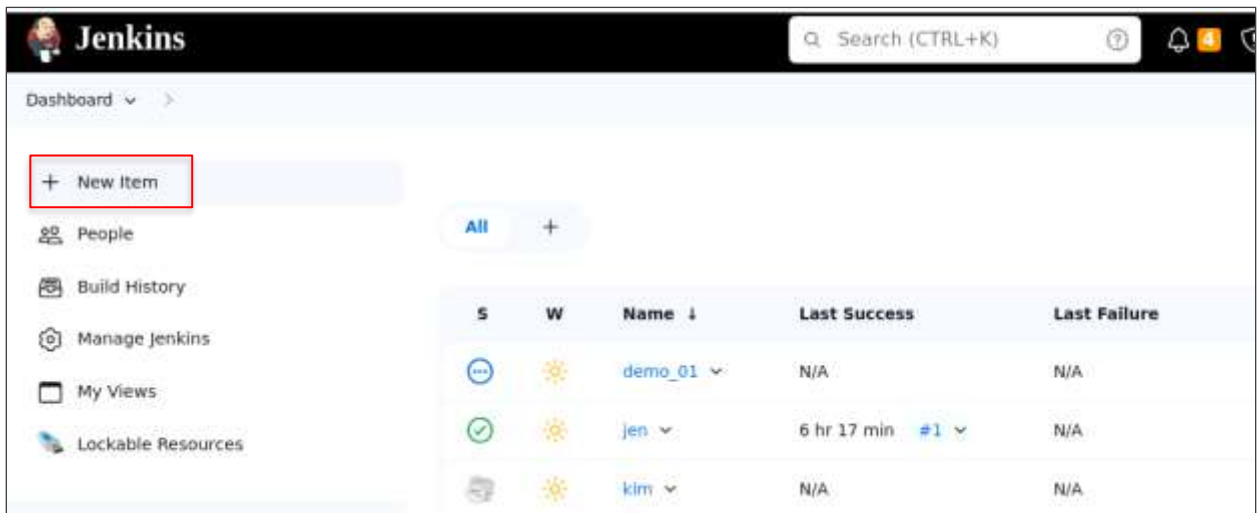
#### Step 1: Log in to the Jenkins CI tool and create a pipeline script

- 1.1 Open the browser, go to the Jenkins **Dashboard** by typing **localhost:8080** in your browser, provide the credentials, and click the **Sign in** button



**Note:** The credentials for accessing Jenkins in the lab are Username: **admin** and Password: **admin**.

- 1.2 Click on the **New Item** option as shown in the screenshot below:



1.3 Enter a desired name for the project, select **Pipeline**, and then click on **OK** as shown in the screenshot below:



1.4 Click on **Pipeline** as shown in the screenshot below:

## Configure

General

**Advanced Project Options**

Pipeline

### Pipeline

Definition

Pipeline script

Script ?

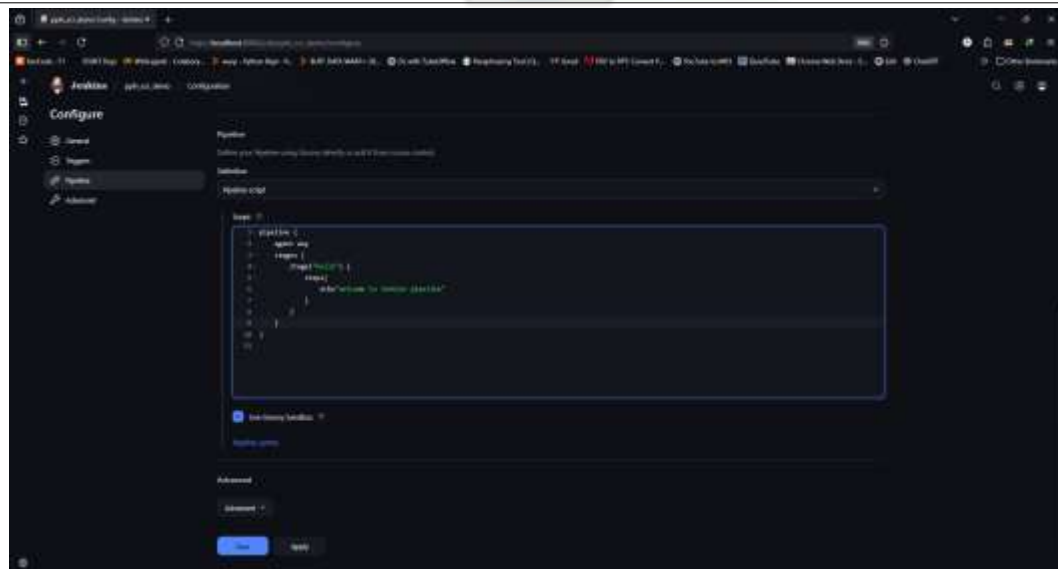
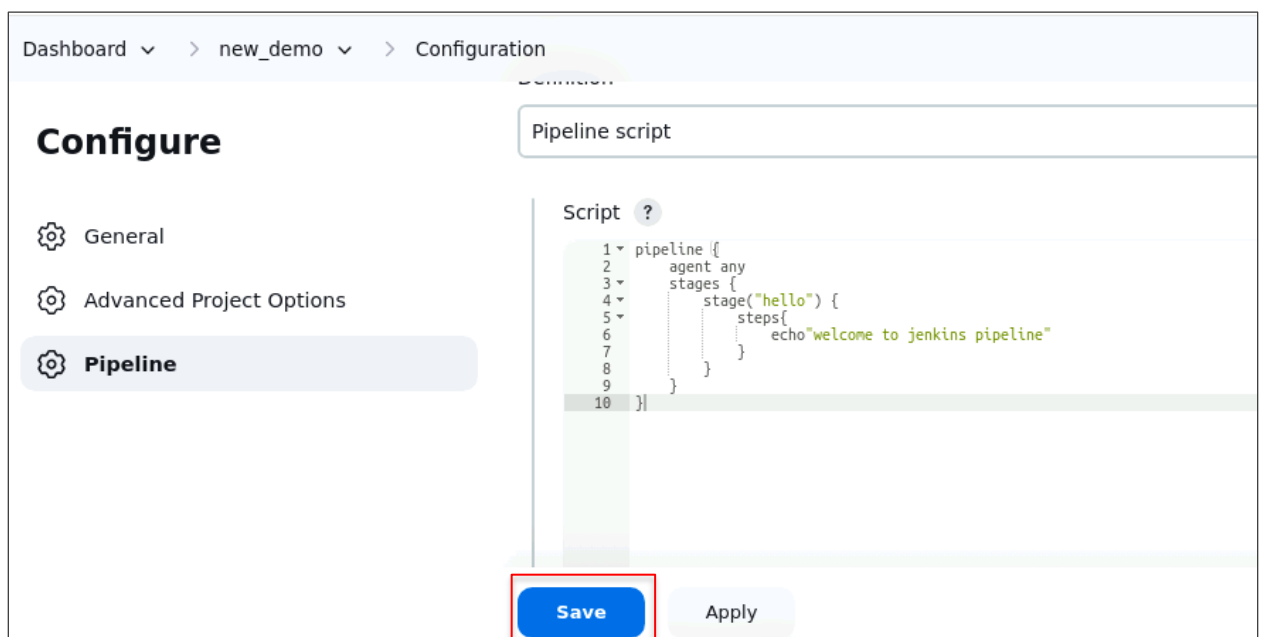
1

Save

Apply

1.5 Enter the following pipeline script in the script editor and click on **Save** as shown in the screenshot below:

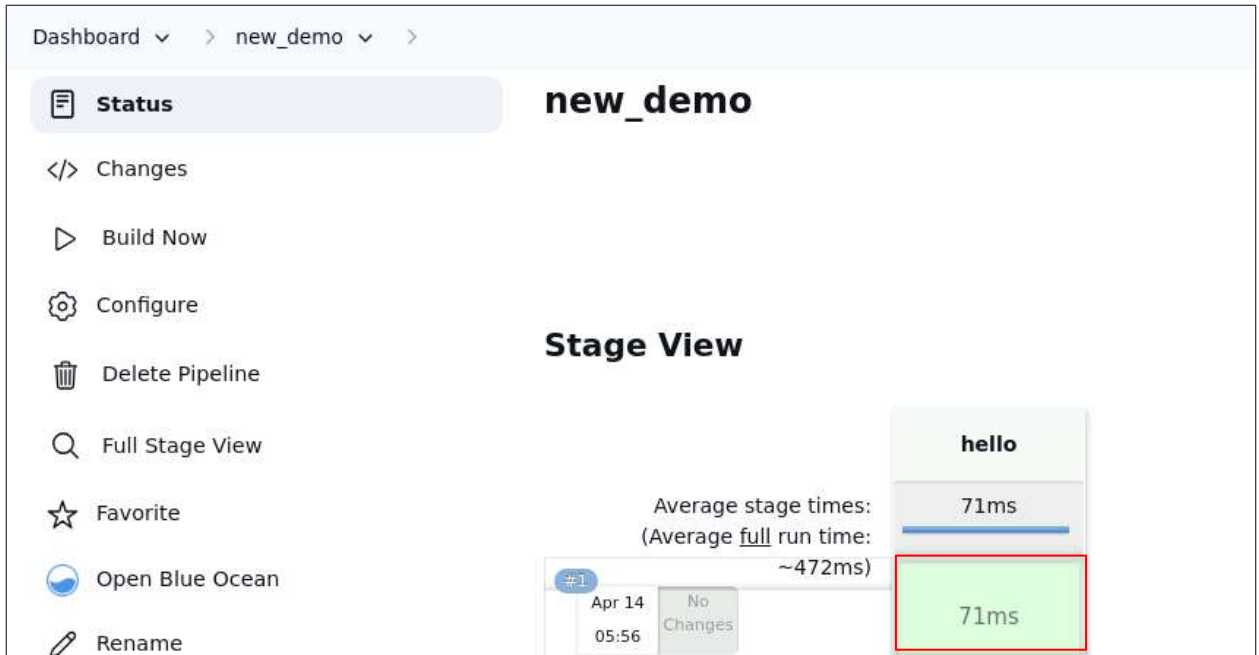
```
pipeline {
  agent any
  stages {
    stage("hello") {
      steps{
        echo"welcome to Jenkins pipeline"
      }
    }
  }
}
```



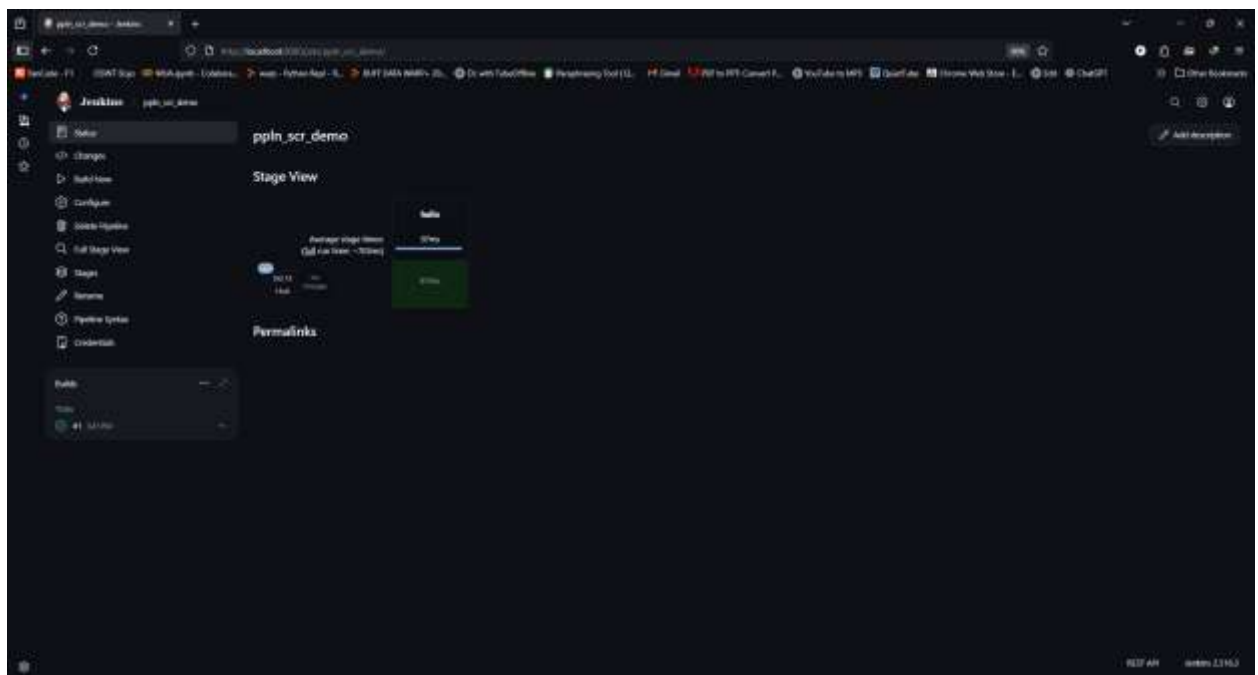
1.6 Click on **Build Now** to run the pipeline script as shown in the screenshot below:



1.7 Hover over the milliseconds number next to the build stage name as shown in the screenshot below:



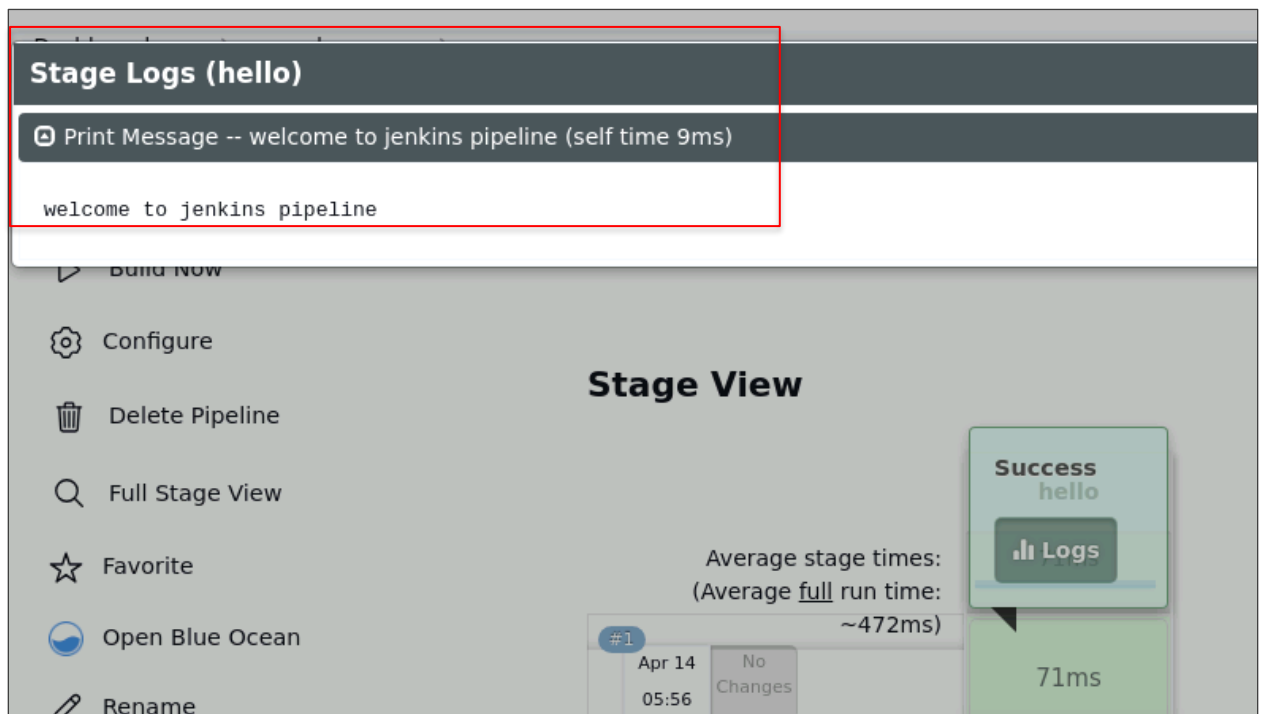
**Note:** Ensure that you hover the cursor over the milliseconds number without clicking on it



1.8 Click on **Logs** as shown in the screenshot below:



1.9 Check for the message in the top-left corner to confirm the successful execution of the pipeline stage as shown in the screenshot below:



By following these steps, you have successfully created a pipeline script for automating build processes in Jenkins.