

# TASK 1

**Step 1:** Open Jenkins and click "**New Item.**"

**Step 2:** Enter a project name and select "**Freestyle Project,**" then click **OK.**

**Step 3:** In the **General** tab, scroll down to the "**Build**" section.

**Step 4:** Click "**Add build step**" → "**Execute shell.**"

**Step 5:** Enter your shell commands in the provided text box.

**Step 6:** Click "**Save**" to apply the changes.

**Step 7:** On the project page, click "**Build Now**" to start the job.

**Step 8:** The build status will appear in the **Build History** (left-side panel).

**Step 9:** Click on the latest build (#1, #2, etc.) and select "**Console Output**" to view logs and results.

The screenshot shows the Jenkins web interface. At the top, the Jenkins logo and user name 'Lokeshkumar' are visible. The breadcrumb trail indicates the path: Dashboard > 22CDL123 Lk > #4 > Console Output. On the left sidebar, the 'Console Output' option is selected. The main area displays the console output for the build, starting with 'Started by user Lokeshkumar' and 'Running as SYSTEM'. It shows the execution of a shell script that updates apt packages. A warning message states: 'WARNING: apt does not have a stable CLI interface. Use with caution in scripts.' The output continues with a series of 'Get' and 'Hit' messages for various Ubuntu repositories and packages, including 'binary/ InRelease', 'noble InRelease', 'amd64 Packages', and 'amd64 Components'.

```
Started by user Lokeshkumar
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/22CDL123 Lk
[22CDL123 Lk] $ /bin/sh -xe /tmp/jenkins10028322505943468014.sh
+ sudo apt update

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:2 https://pkg.jenkins.io/debian-stable binary/ Release
Get:3 https://download.docker.com/linux/ubuntu noble InRelease [48.8 kB]
Hit:4 http://archive.ubuntu.com/ubuntu noble InRelease
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:8 https://download.docker.com/linux/ubuntu noble/stable amd64 Packages [21.3 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [671 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [922 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [130 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [209 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8,968 B]
Get:16 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [6,936 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [208 B]
```

# TASK 1

**Command:**

```
sudo apt update
```

```
sudo apt install -y nginx
```

```
sudo systemctl enable nginx
```

```
sudo systemctl start nginx
```