

# 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.

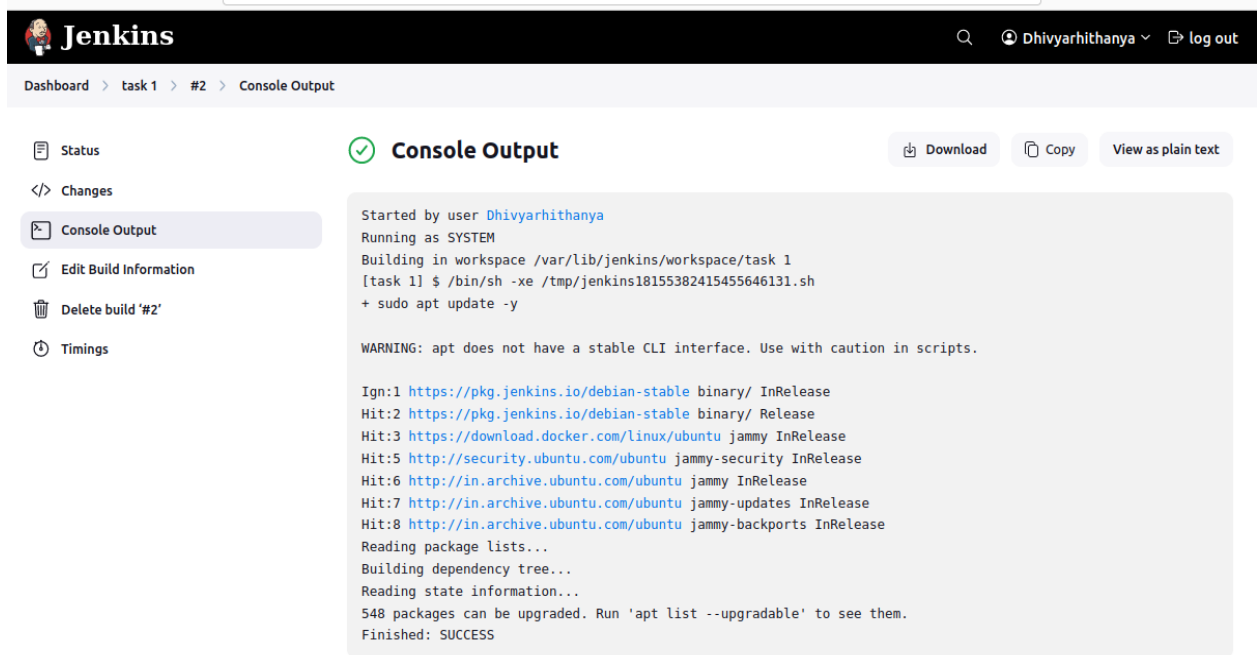
**Step 6:** Click "**Save**" to apply the changes.

**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.

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The screenshot shows the Jenkins web interface. At the top is the Jenkins logo and navigation links. Below the header, the breadcrumb trail reads 'Dashboard > task 1 > #2 > Console Output'. On the left sidebar, there are links for 'Status', 'Changes', 'Console Output' (which is selected), 'Edit Build Information', 'Delete build '#2'', and 'Timings'. The main area displays the 'Console Output' for build #2 of task 1. The output text shows the build starting as user 'Dhivyarhithanya' and running as 'SYSTEM'. It shows the execution of a shell script that runs 'sudo apt update -y'. The output includes a warning about the apt CLI interface and a list of package updates from various sources, including Jenkins.io, Docker, and Ubuntu. The process ends with 'Finished: SUCCESS'.

**Console Output**

Started by user [Dhivyarhithanya](#)  
Running as SYSTEM  
Building in workspace /var/lib/jenkins/workspace/task 1  
[task 1] \$ /bin/sh -xe /tmp/jenkins18155382415455646131.sh  
+ sudo apt update -y

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  
Hit:3 <https://download.docker.com/linux/ubuntu> jammy InRelease  
Hit:5 <http://security.ubuntu.com/ubuntu> jammy-security InRelease  
Hit:6 <http://in.archive.ubuntu.com/ubuntu> jammy InRelease  
Hit:7 <http://in.archive.ubuntu.com/ubuntu> jammy-updates InRelease  
Hit:8 <http://in.archive.ubuntu.com/ubuntu> jammy-backports InRelease  
Reading package lists...  
Building dependency tree...  
Reading state information...  
548 packages can be upgraded. Run 'apt list --upgradable' to see them.  
Finished: SUCCESS

## Command:

```
#!/bin/bash
```

```
sudo apt update
```

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

```
sudo systemctl start nginx
```

```
sudo systemctl enable nginx
```

```
echo "Nginx installation completed!"
```