Practice for Lesson 2: Build and Run Jobs on Jenkins

Practices for Lesson 2

Overview

In these practices, you will build and run a job on Jenkins. Further, schedule a job to execute periodically and also integrate GitHub repository source code with Jenkins job.

Practice 2-2: Scheduling Jobs on Jenkins Instance

Overview

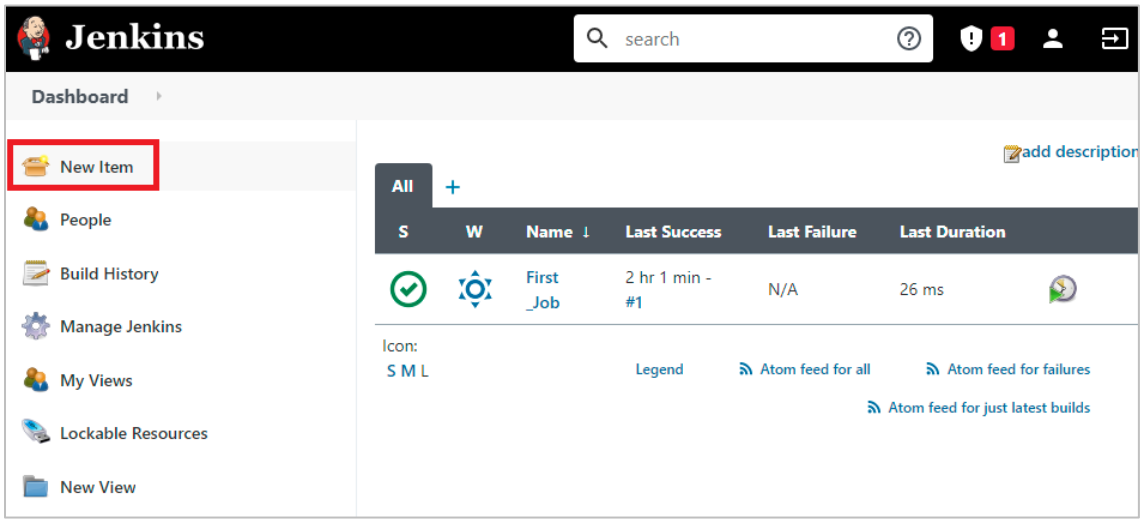
In this practice, you will learn how to periodically schedule a Job on Jenkins instance.

Assumptions

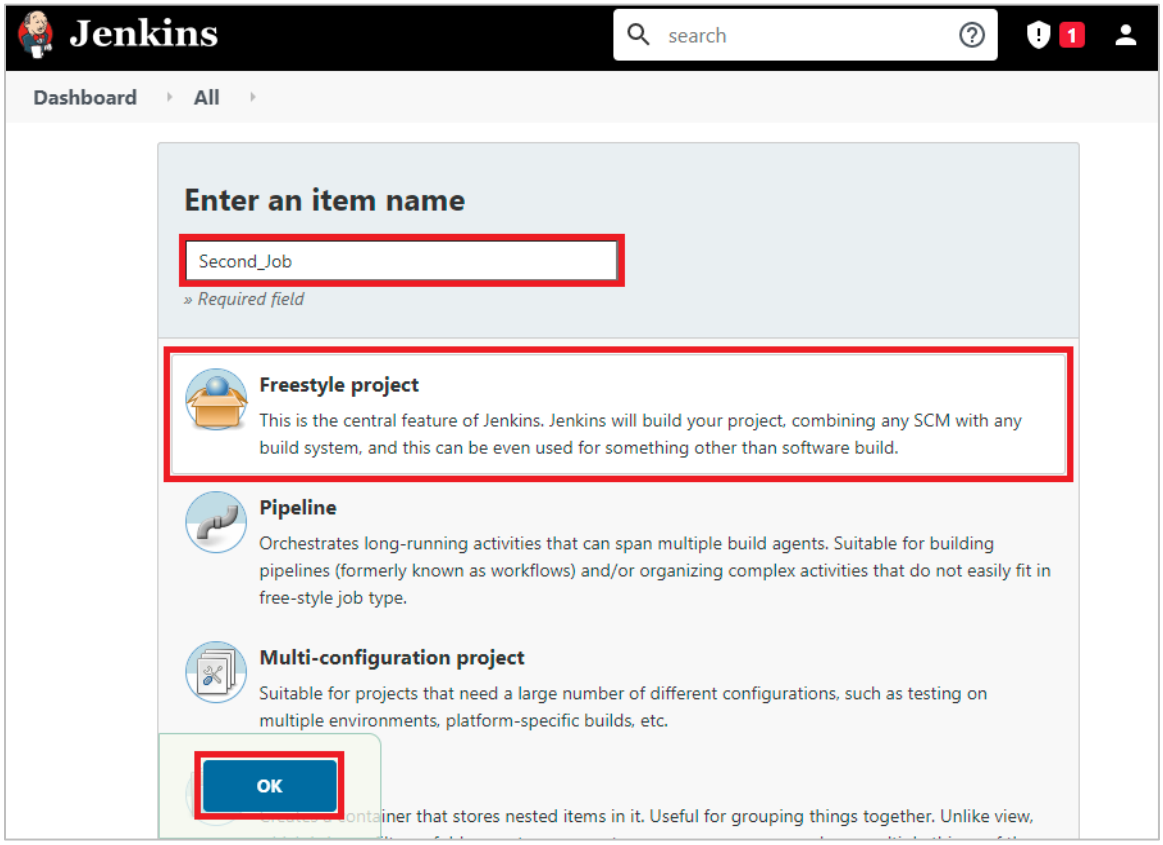
You should have completed the Practice of Lesson 2-1.

Tasks

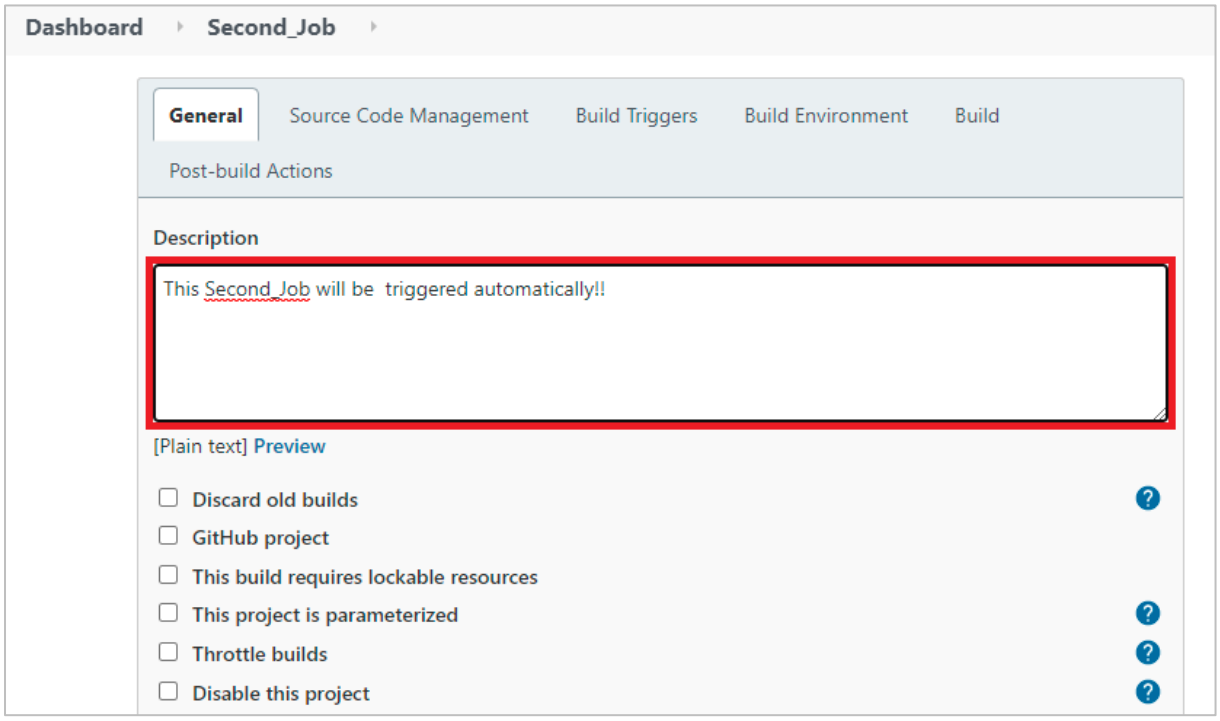
1. To schedule a Jenkins job for every minute.
   a. In the Jenkins instance Dashboard navigate to the menu and select **New Item** to create a new job to schedule as shown below.



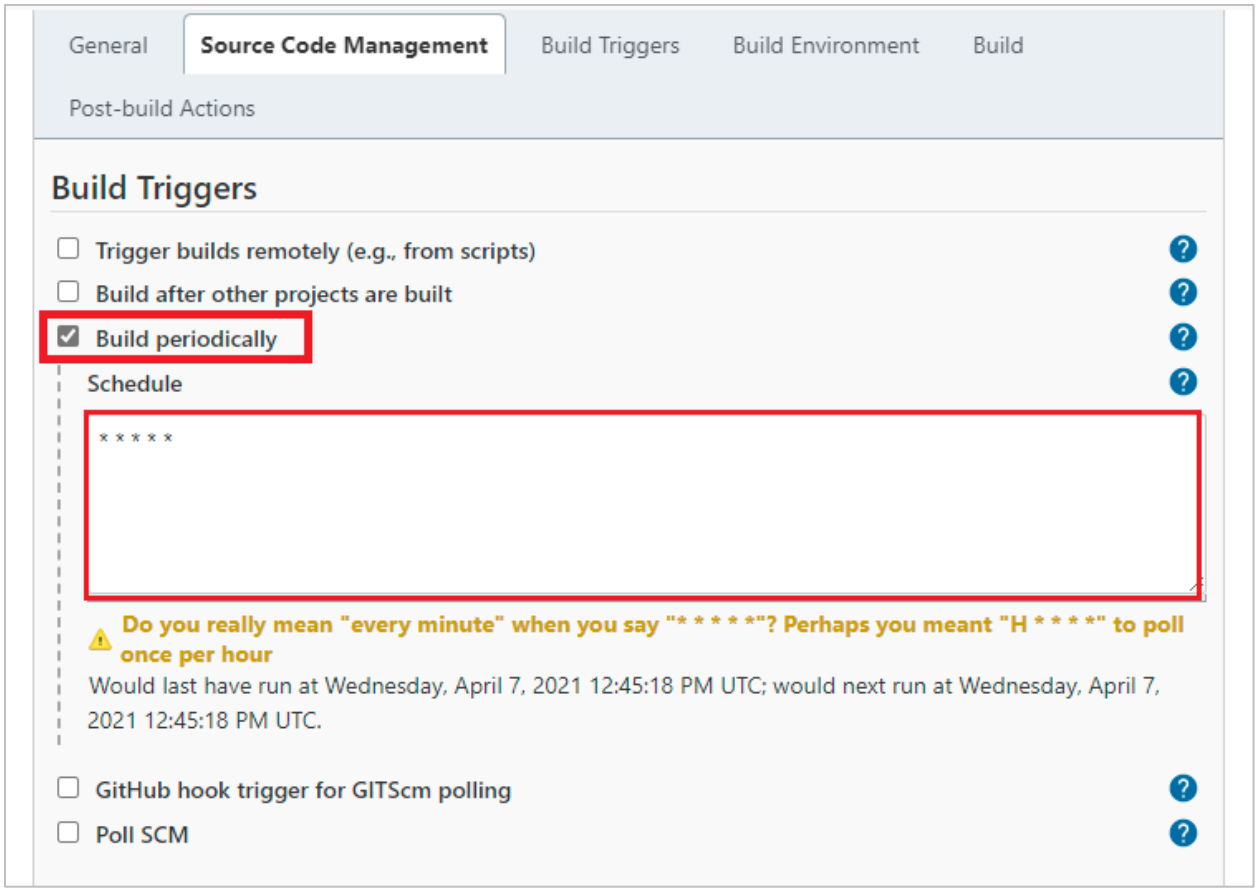
   b. Provide the name for the Job in Jenkins, select **Freestyle project** and click **OK** as shown below.



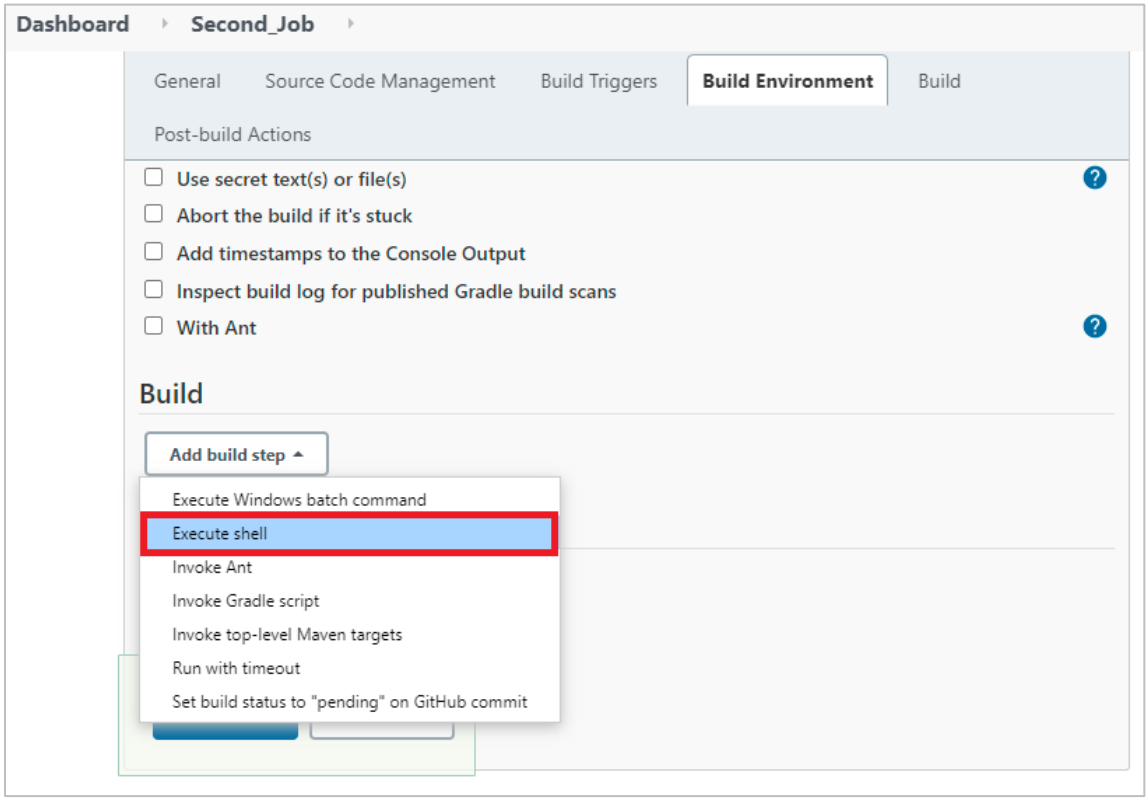
c. Provide Description for the new job as shown below which is an optional.



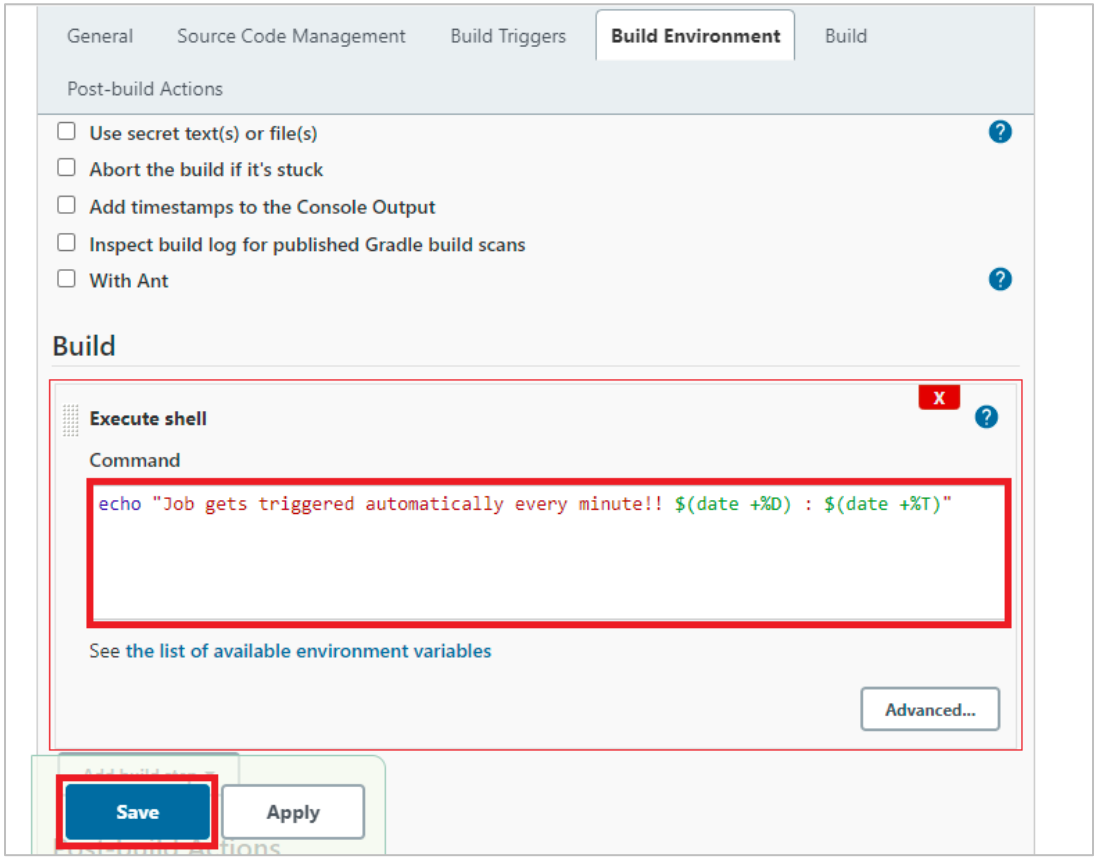
d. Scroll down to **Build Triggers** and select the check box of **Build periodically.** In **Schedule** provide the pattern (syntax) for executing the job every minute as shown below.



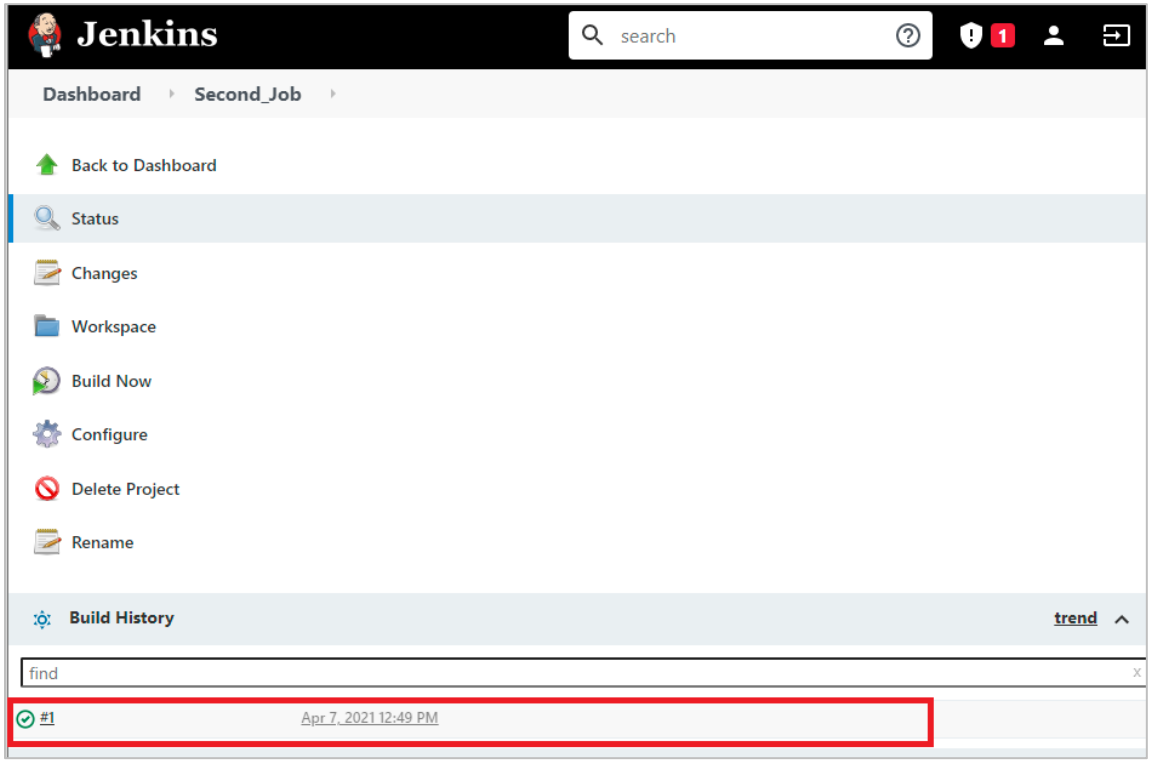
e. Scroll down to the **Build** section, click **Add build step** and select **Execute shell** as shown below.



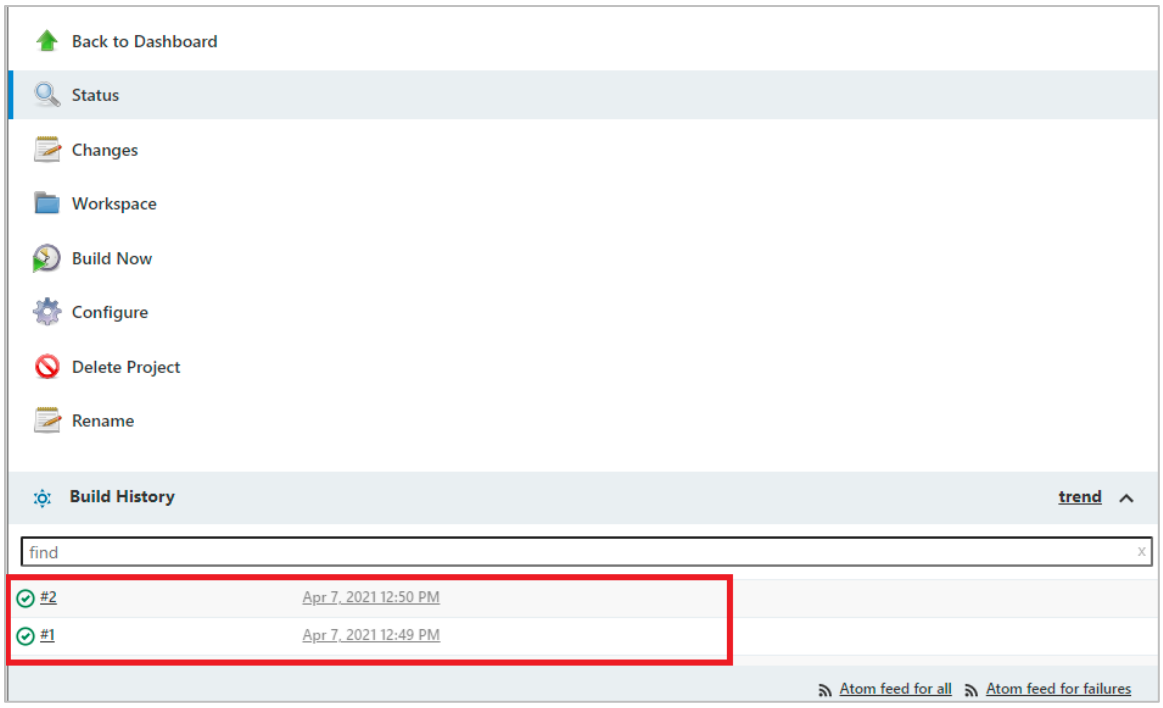
f. In **Execute shell** provide the command to execute periodically and click **Save** as shown below.



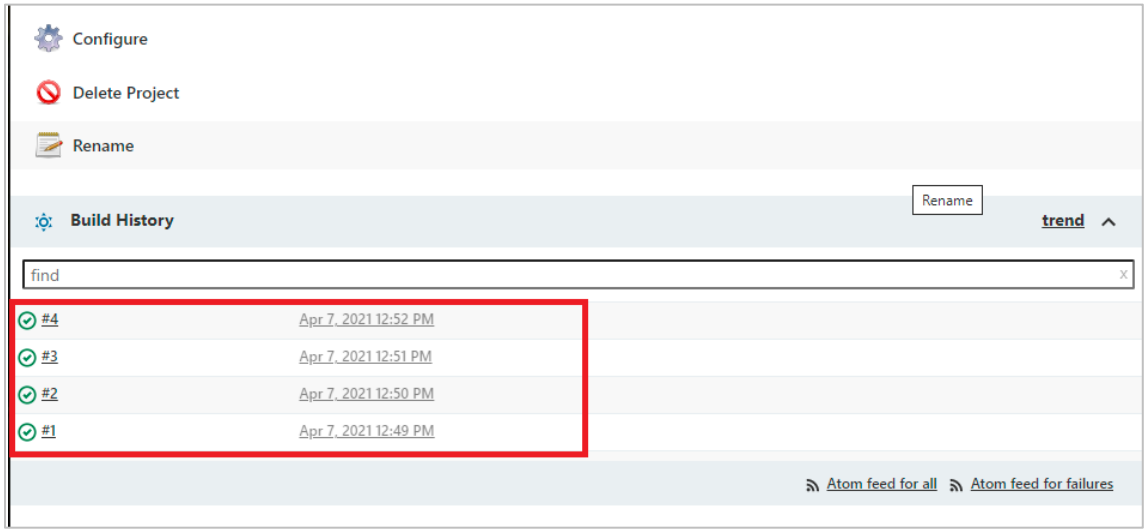
g. After a minute of time the Job gets executed automatically. Verify it under **Build History** as shown below.



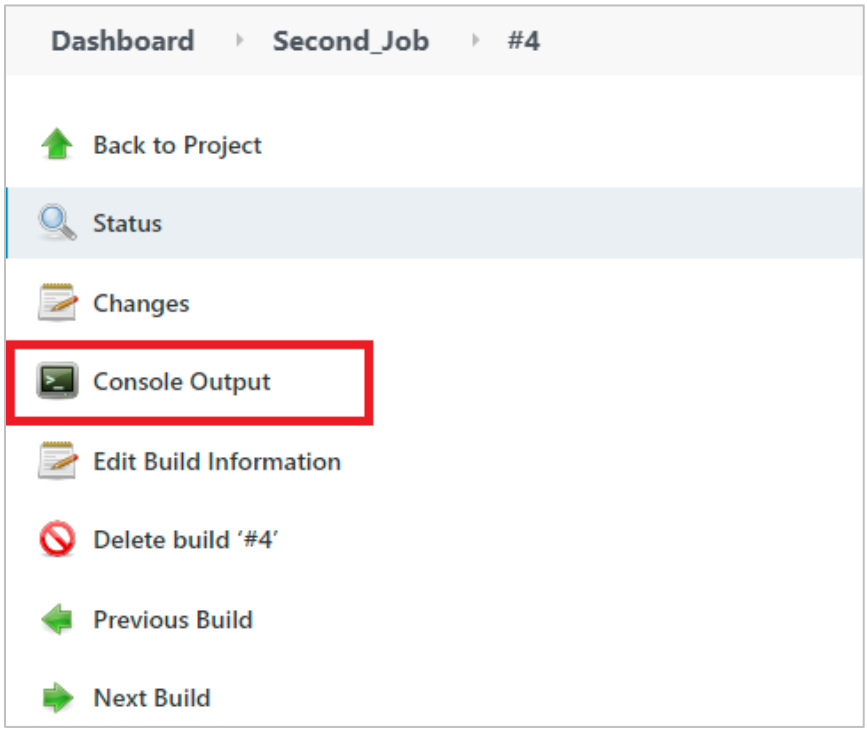
h. Exactly after a minute, job is executed (Build) for the second time as shown below.



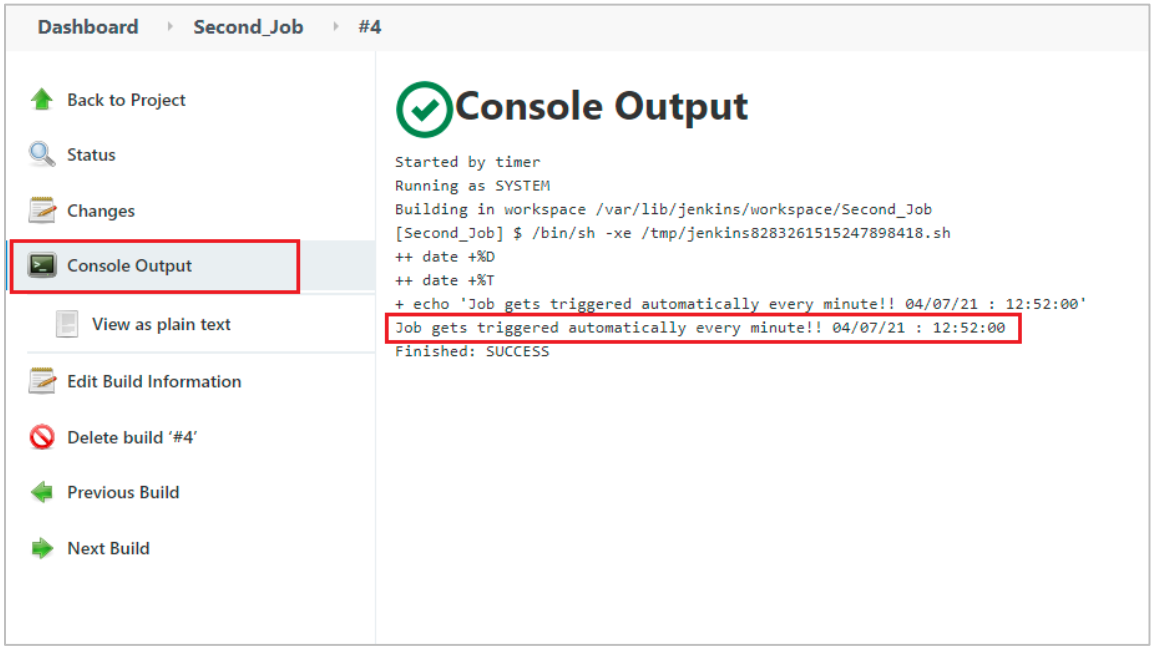
i. The job is built for every minute as shown below. Select any of the build to verify the output in the Jenkins Dashboard.



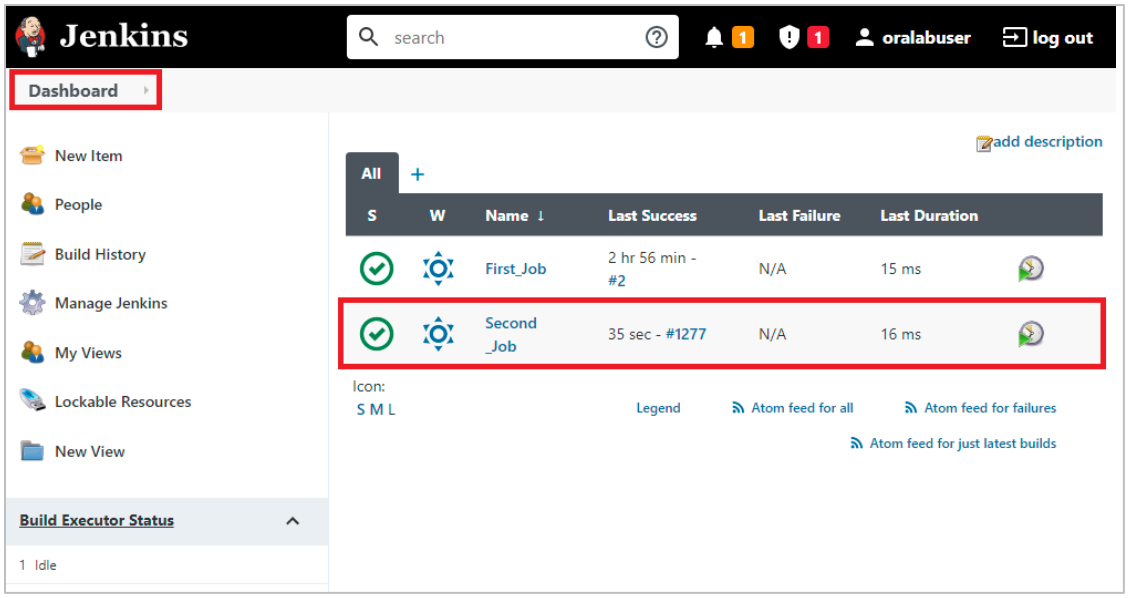
j. In the build page, select **Console Output** as shown below.



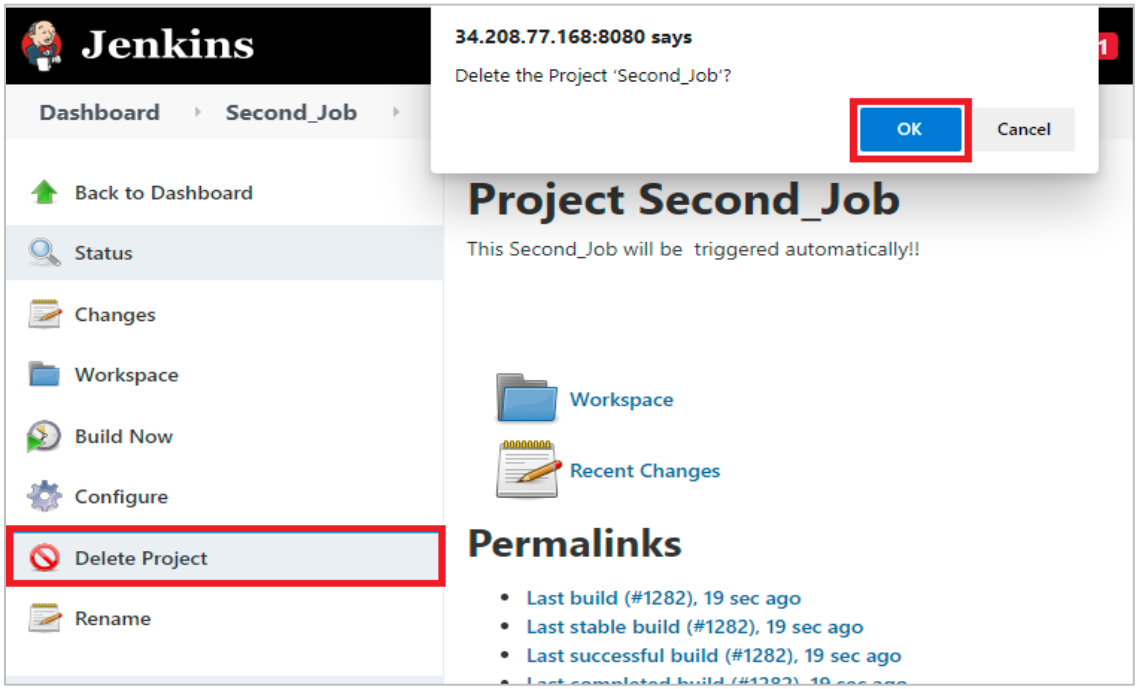
k. Verify the output displayed, which is executed by the shell command on scheduling the job in the Jenkins.



2. Delete the project created for the Job schedule in Jenkins instance.
   a. Navigate to the **Dashboard** in the top left corner as shown below, and select the **Second_Job** to delete.



   b. In the **Project** page navigate to menu, select **Delete Project** and click **OK** as shown below.



3. Keep the Jenkins Dashboard and the AWS Management Console open for the next practice.