CSI3025

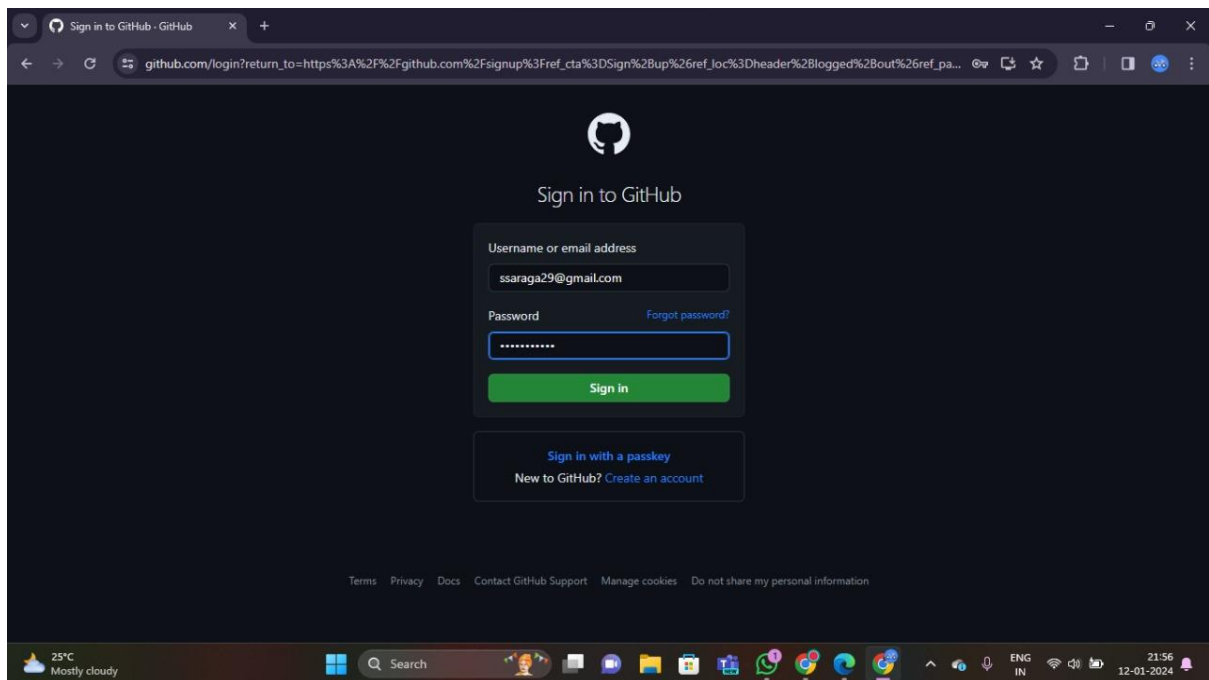## Application Development and Deployment

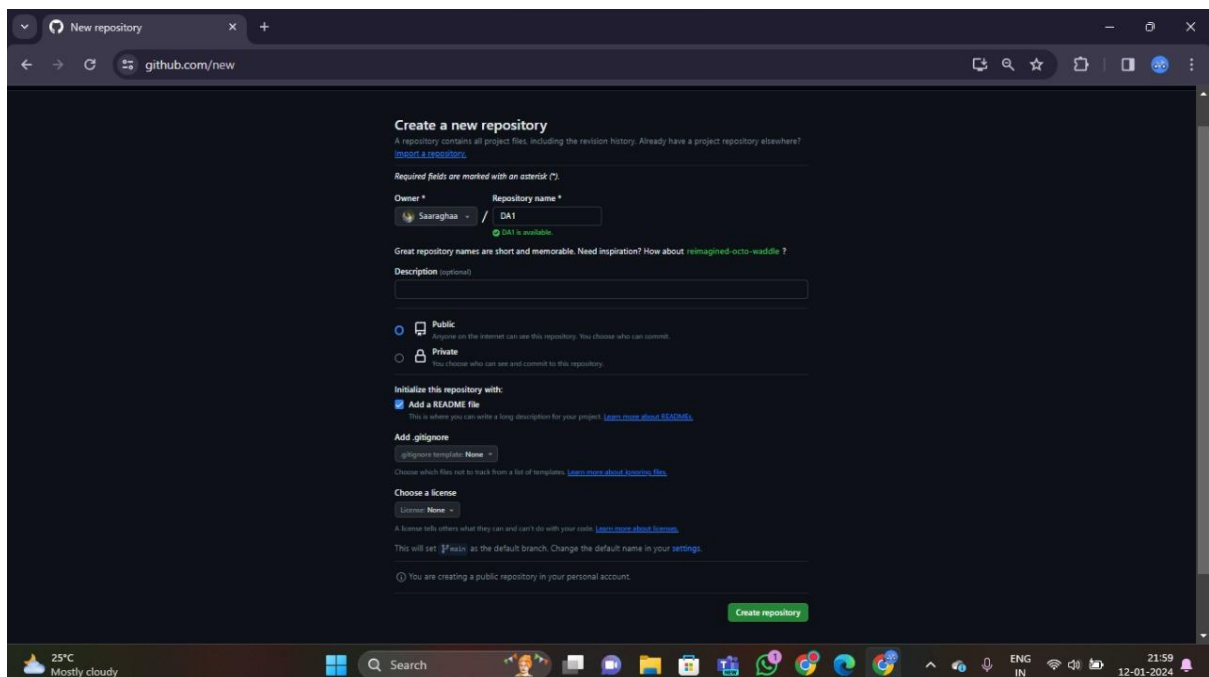Winter Semester 2023 – '24

Digital Assignment - 1

SARAGA S

20MIC0081

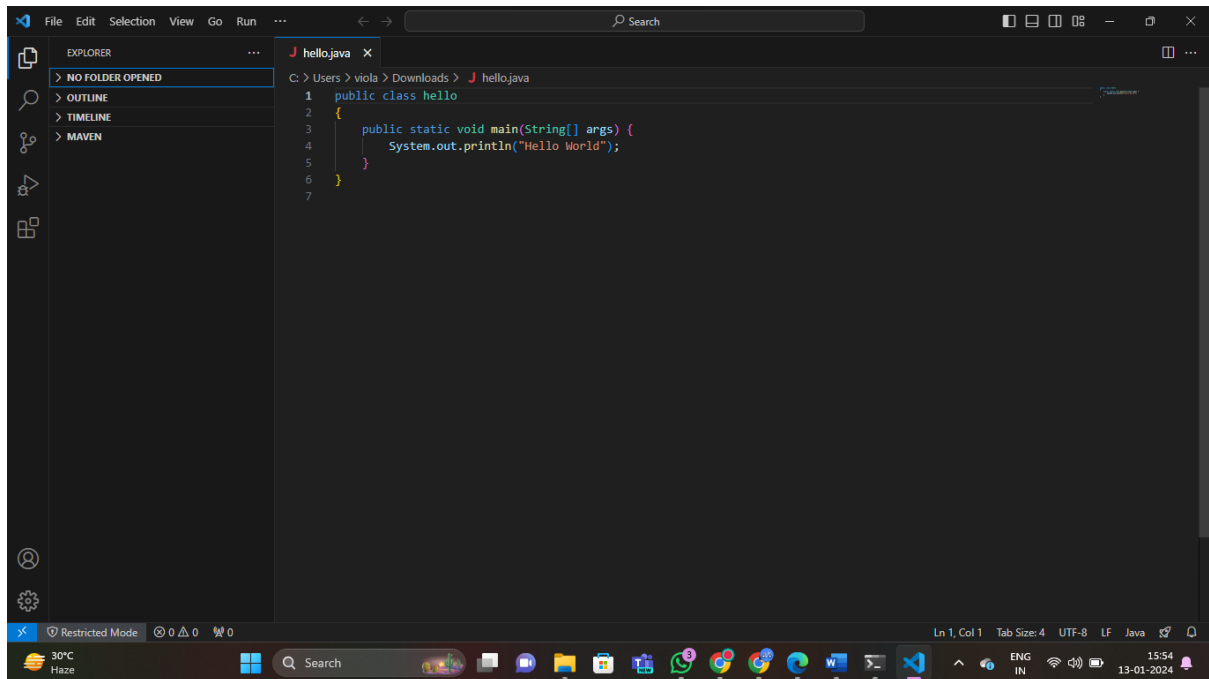# GITHUB SIGN IN:

Step – 1: Sign in to GITHUB.

Step – 2: Create a new repository, make it public.
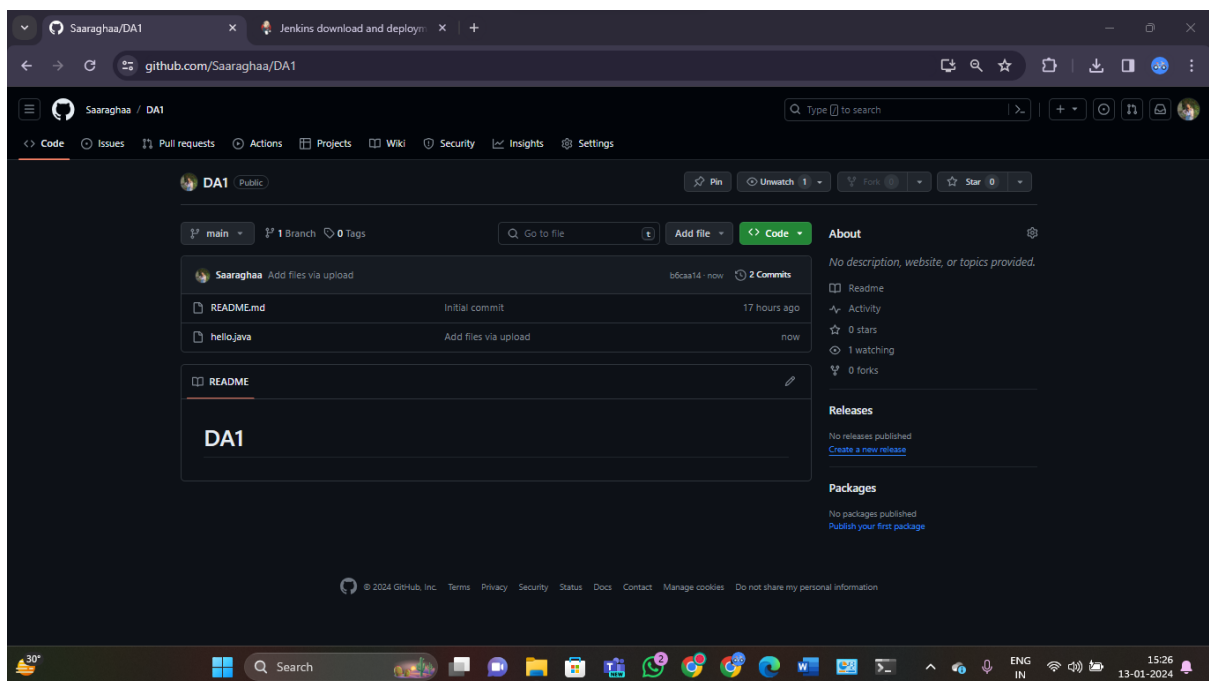
Step – 3: Hello world program.

Step – 4: Hello world program in GitHub repository

Jenkins installation

Step – 1: Download Jenkins 2.426.2 LTS .war from https://www.jenkins.io/download/
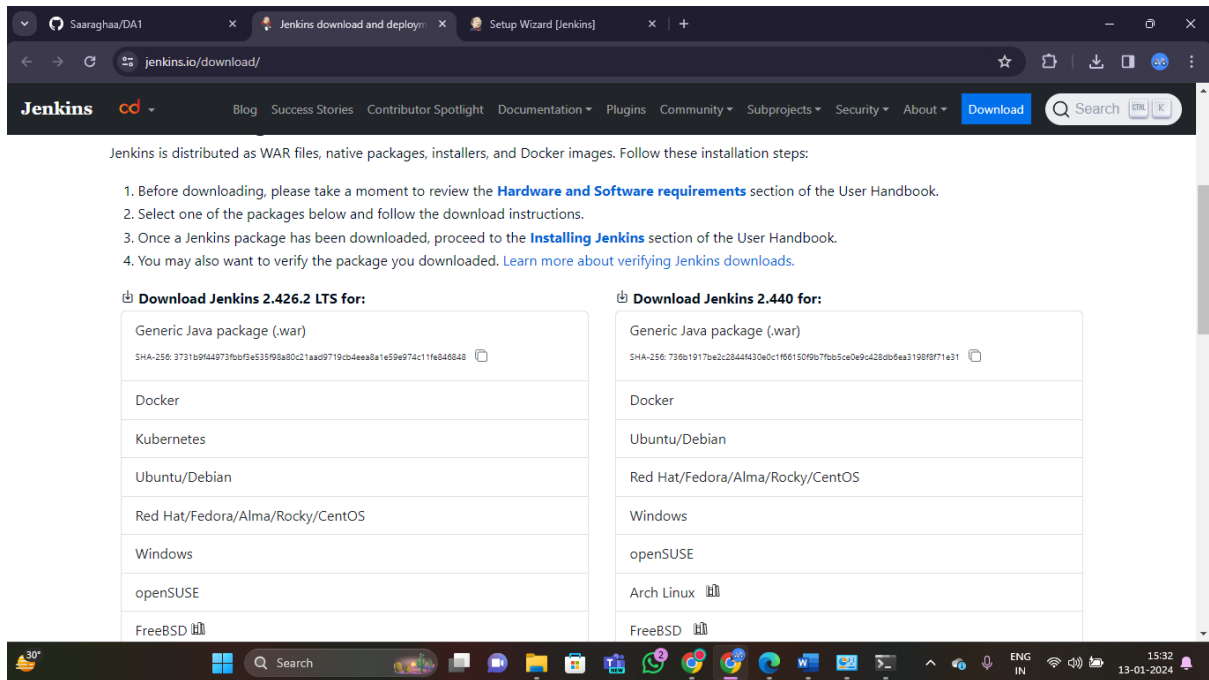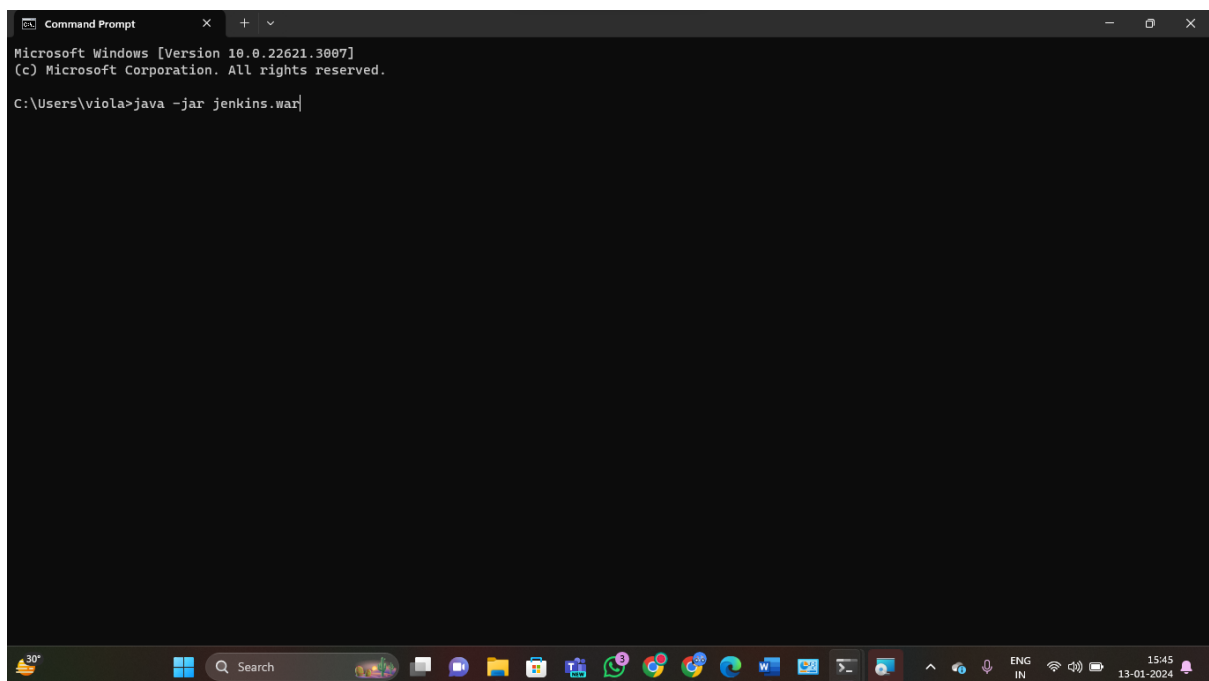

Step – 2: Download java 17.0.9 installer file and install on windows.
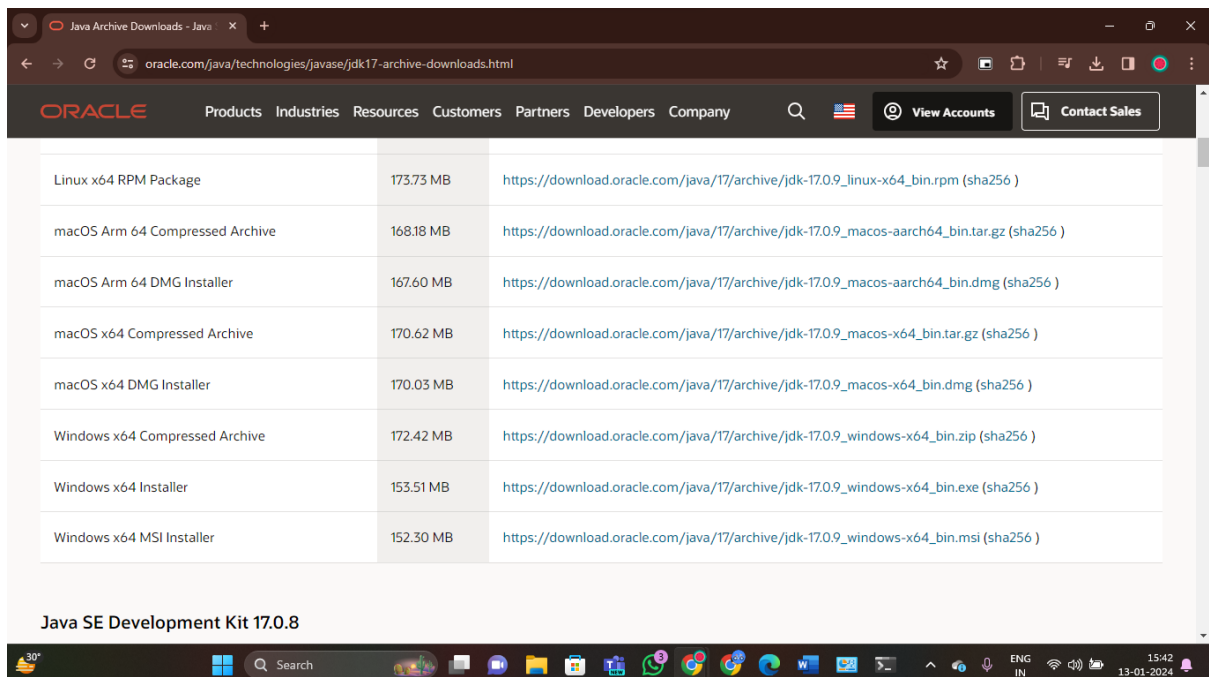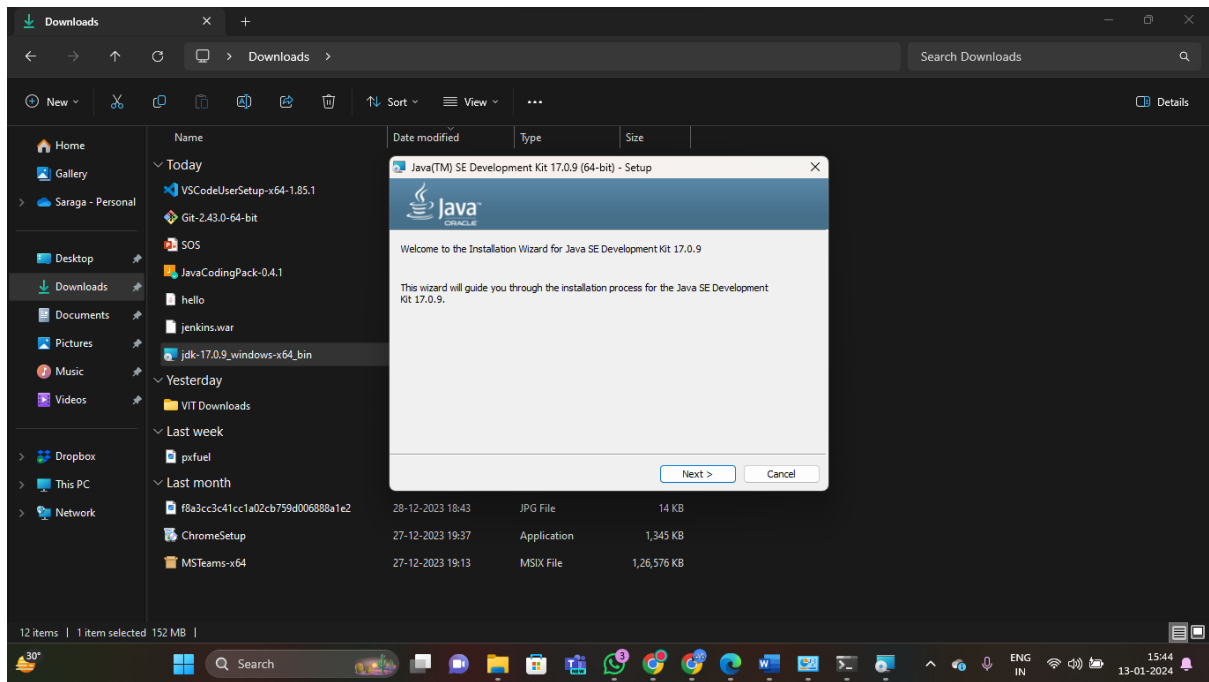
Step – 3: Open terminal and run command "java -jar Jenkins.war" to install Jenkins on windows.

Step – 4: Copy the password that is generated.

Step – 5: Enter the copied password upon entering the site - https://localhost :8080
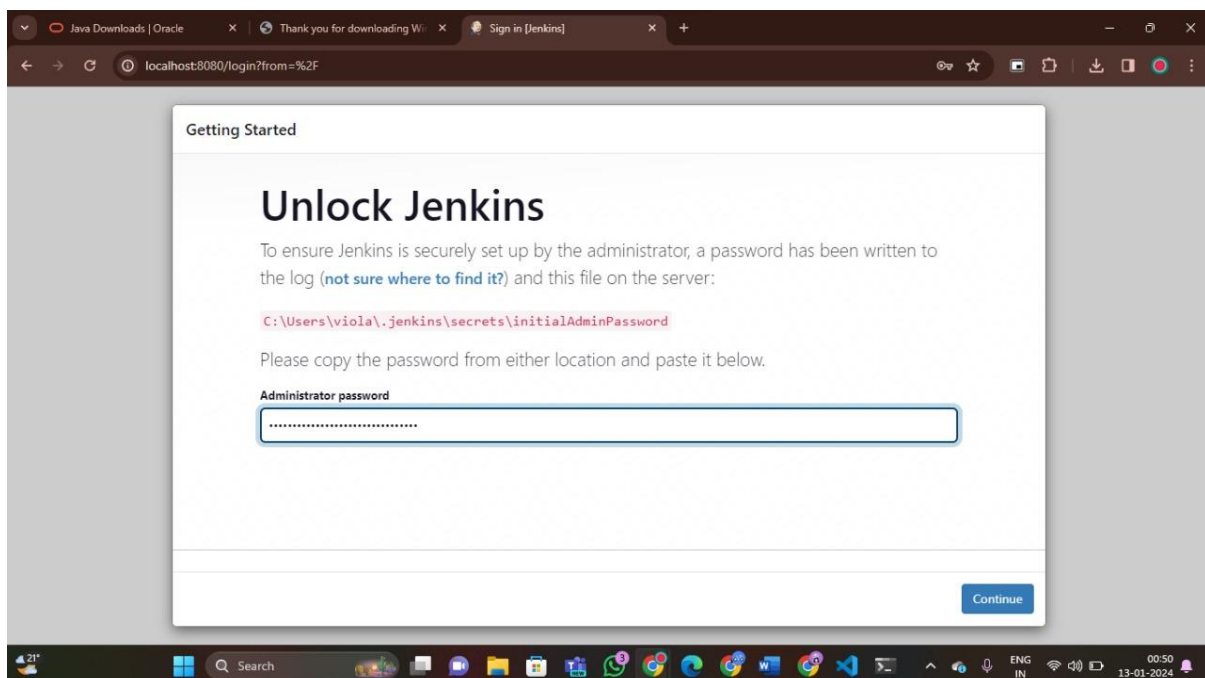
Step – 6: Select Install Suggested plugins.
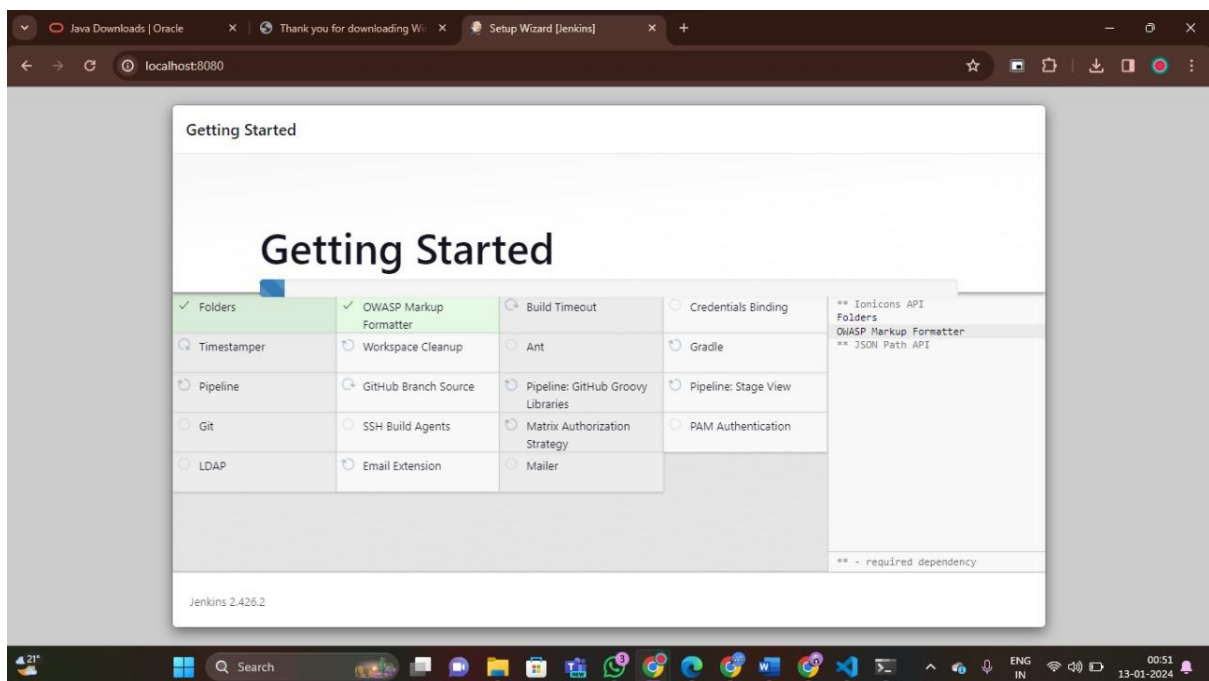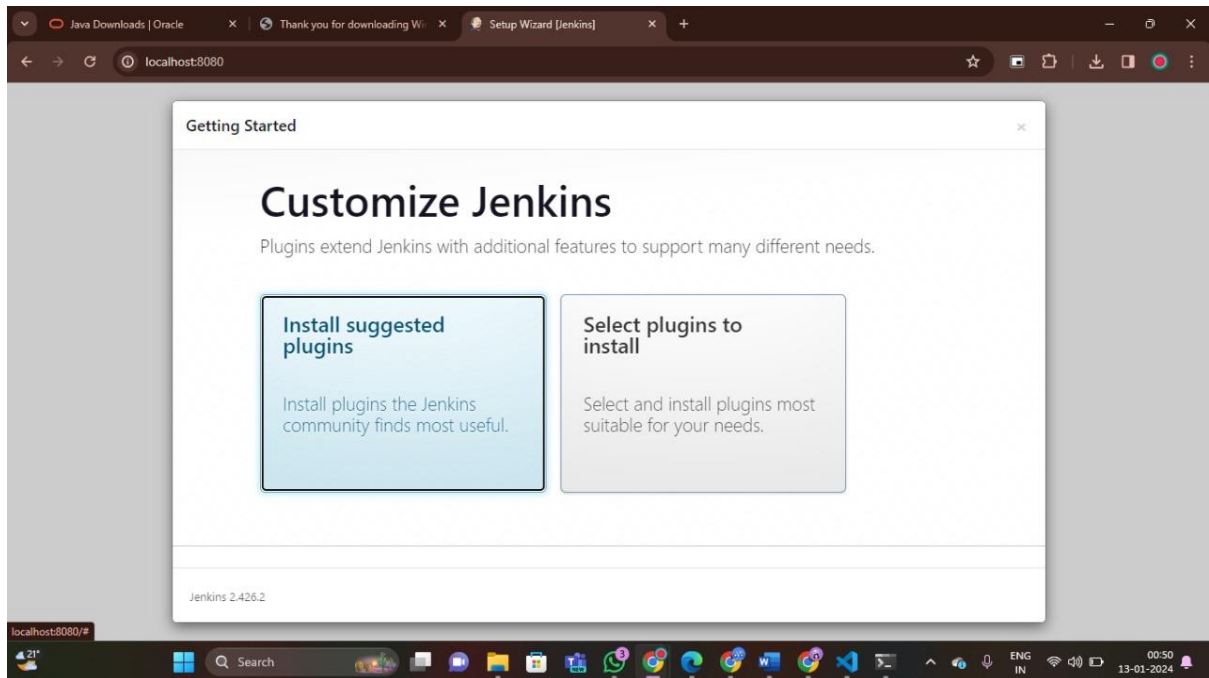
Step – 7 After successful installation of suggested, Enter the First Admin User details and select save.
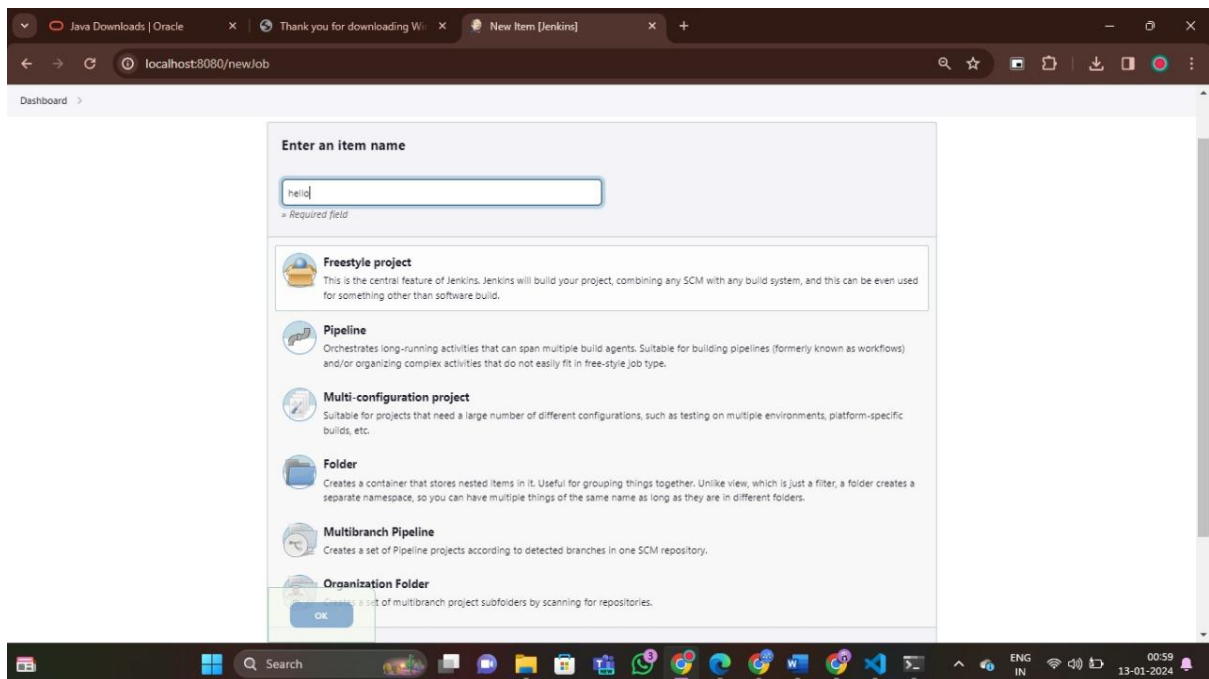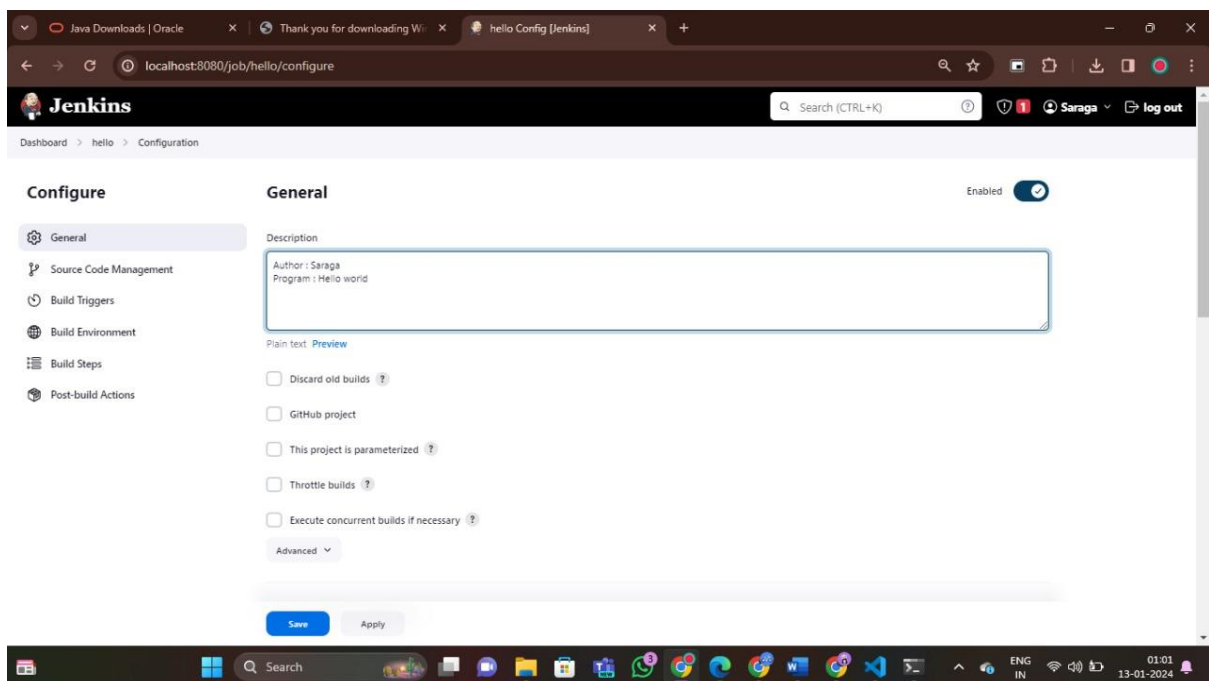
Step – 8: Start using Jenkins.
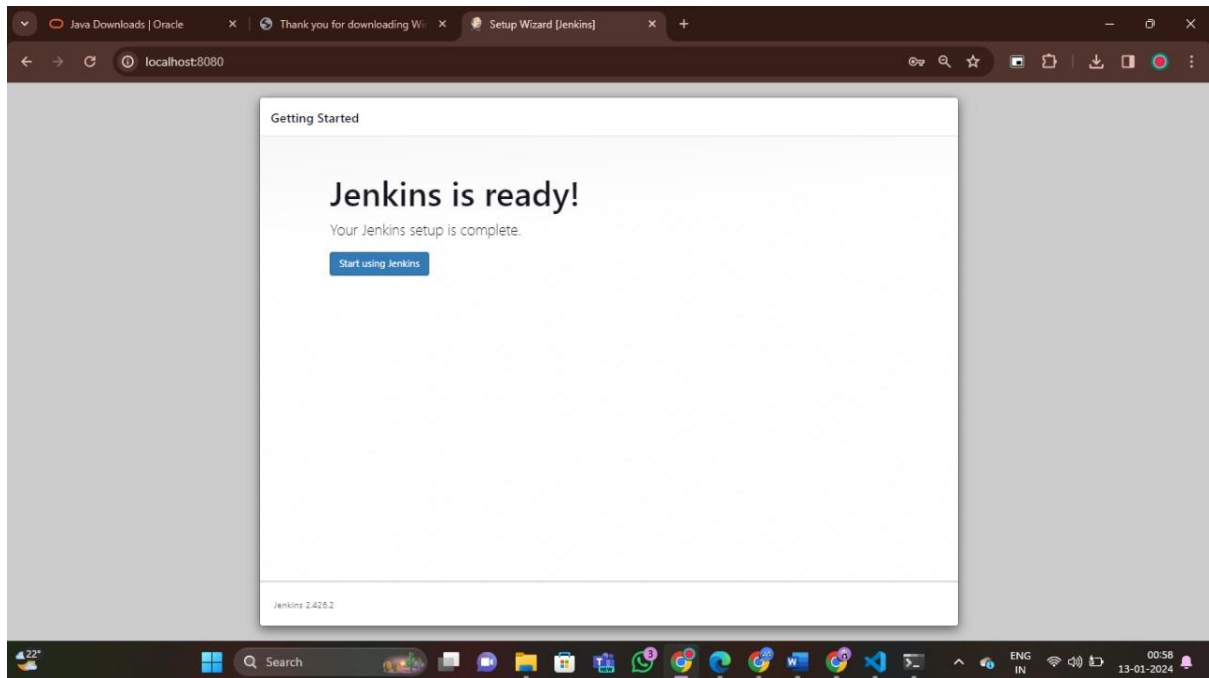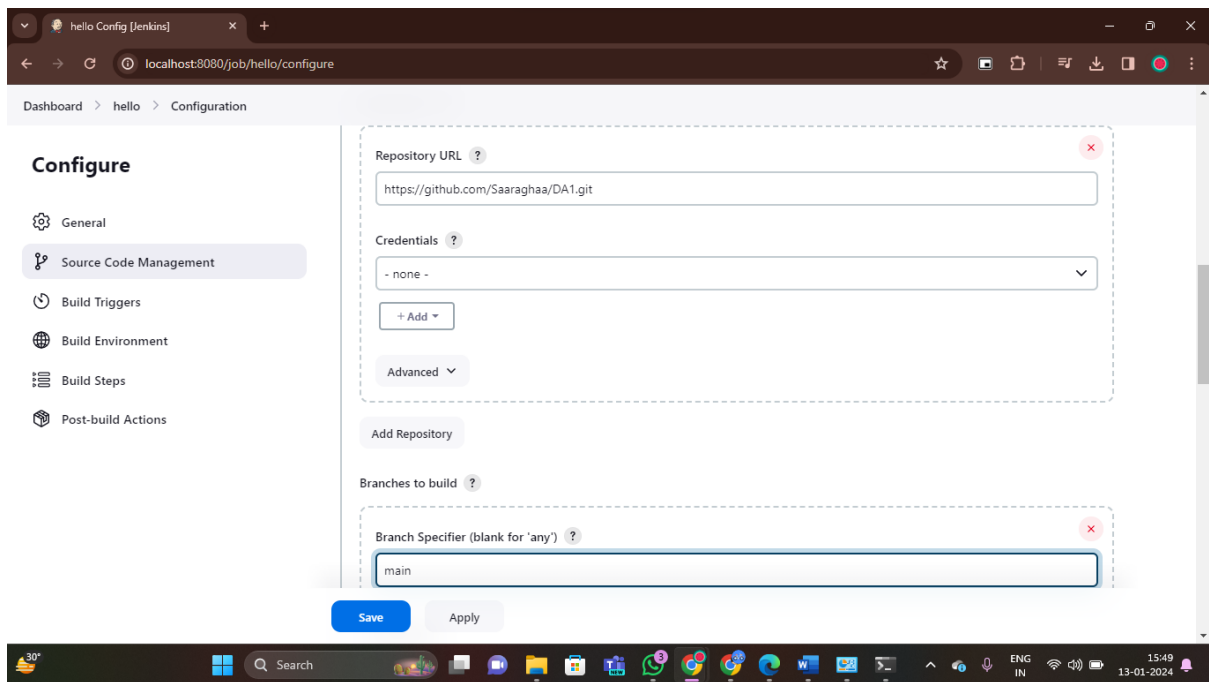

Step – 9: Select Create a Job.
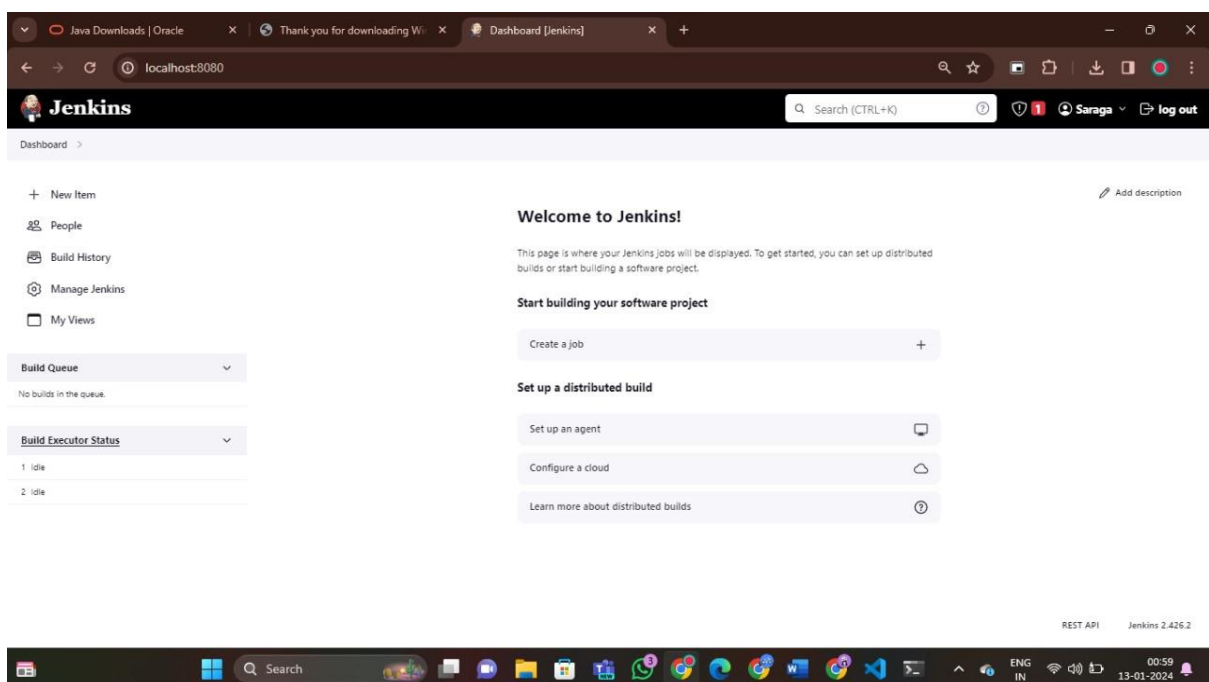
Step – 10: Enter name of the job "hello", select Freestyle project and click OK.
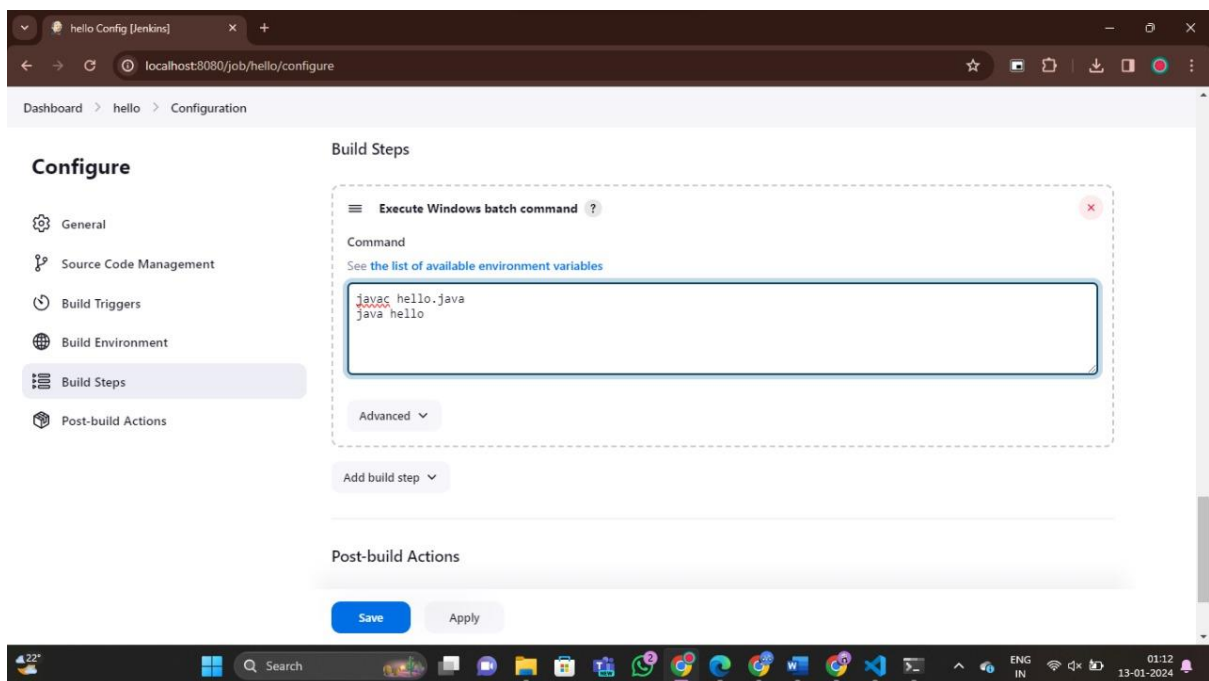

Step – 11: Enter description for the job and the repository URL.

Step – 12: Under Source Code Management select Git, enter your GitHub Repository and under Branch type "main".

Step – 13: Under Build Steps, Select Execute Windows batch command and Enter Java commands "java hello.java" and "java hello. Click "Save".
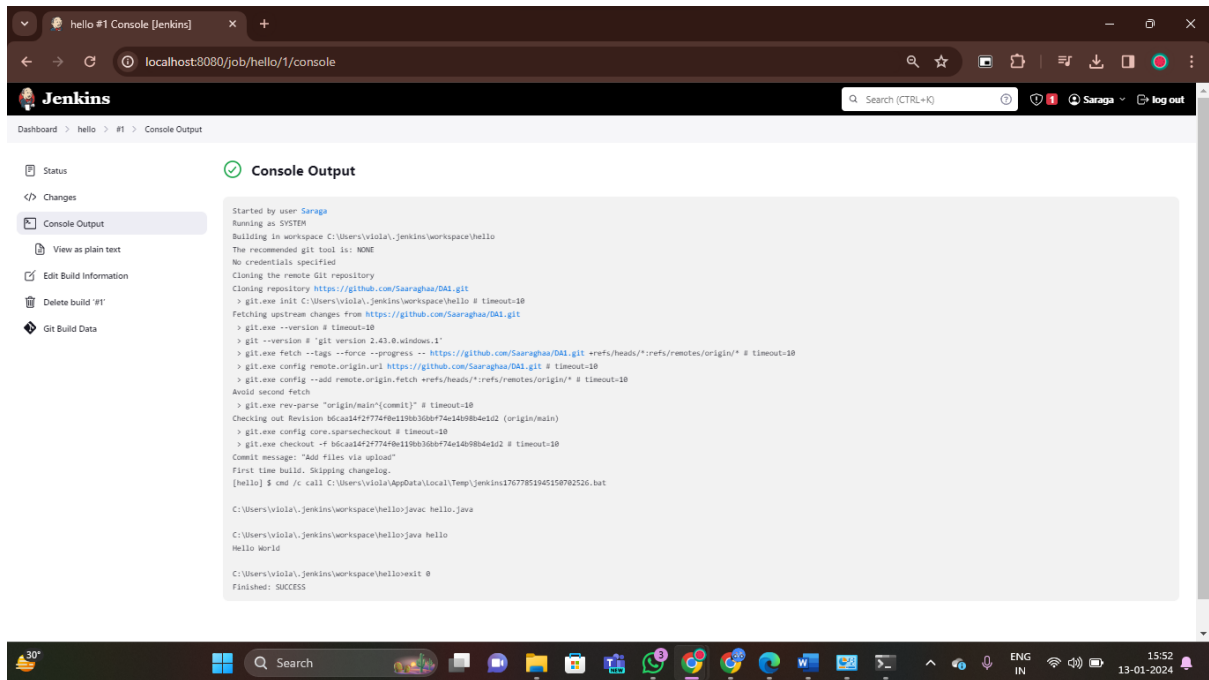
Step – 14: Now select Build Now and building will be scheduled & automatically started.

Step – 15: The build will execute without any errors and when built successfully, get the status.