https://github.com/aniruddha22391/For_Jenkins.git

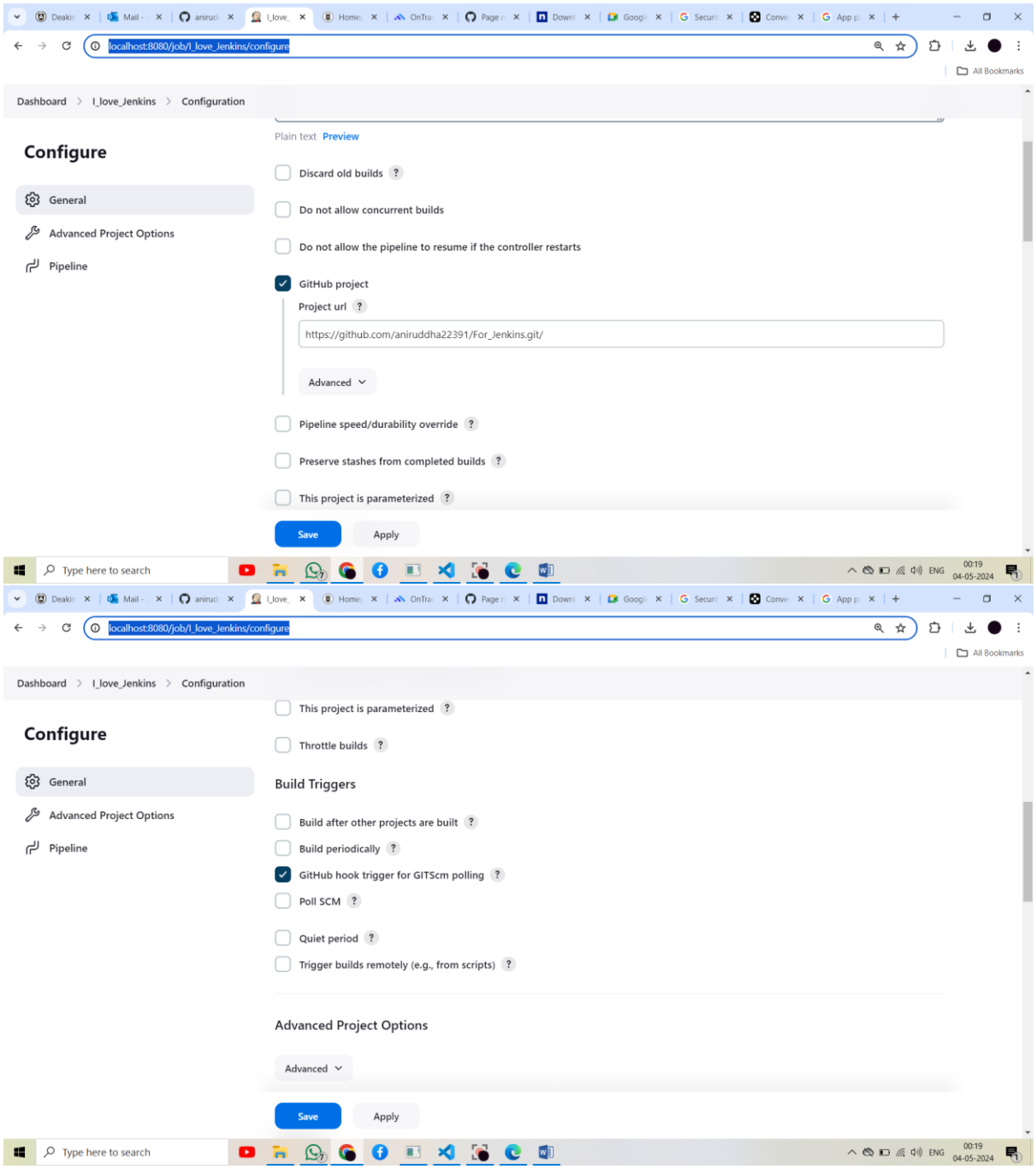
The provided Jenkins pipeline script is intended to automate a software project's build, testing, analysis, and deployment processes

Code:

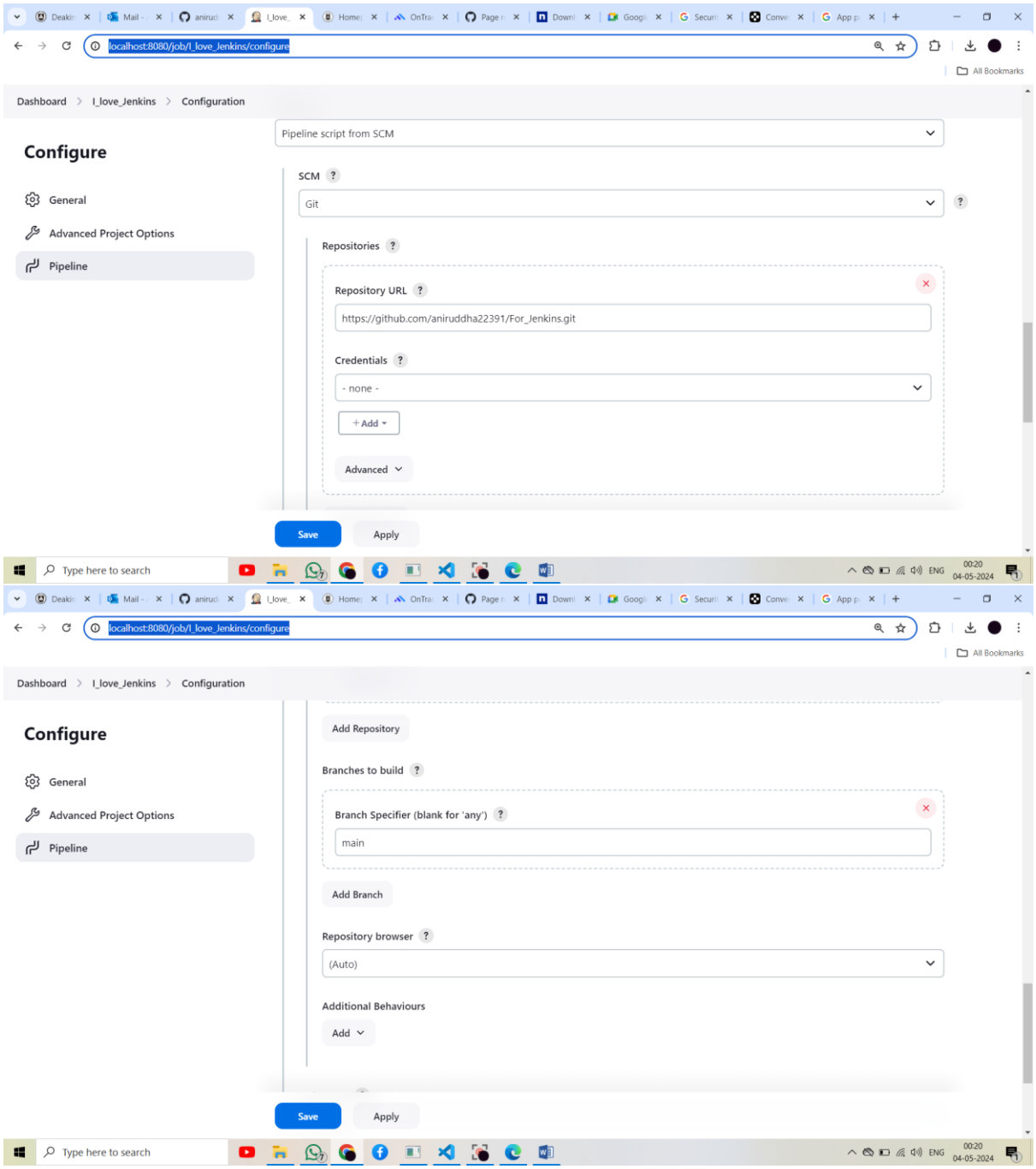
```
pipeline {

    agent any

    stages {
        stage('Build') {
            steps {
                // Build the code using Maven or another build automation tool
                echo "Build Stage"
            }
        }
        stage('Unit and Integration Tests') {
            steps {
                // Run unit tests using JUnit or another test automation tool
                // Run integration tests using Selenium or another integration
testing tool
                echo "Testing Stage"
            }
        }
        stage('Code Analysis') {
            steps {
                // Integrate a code analysis tool like SonarQube or Checkstyle
                echo "Code Analysis Stage"
            }
        }
        stage('Security Scan') {
            steps {
                // Perform a security scan using tools like OWASP ZAP or
SonarQube
                echo "Security Stage"
            }
        }
        stage('Deploy to Staging') {
            steps {
                // Deploy the application to a staging server, e.g., AWS EC2
instance
                echo "Deployment Stage"
            }
        }
```

```
        stage('Integration Tests on Staging') {
            steps {
                // Run integration tests on the staging environment
                echo "Integration Stage"
            }
        }
        stage('Deploy to Production') {
            steps {
                // Deploy the application to a production server, e.g., AWS
EC2 instance
                echo "Production Stage"
            }

             post {
                 success {
                     // Send email notification on successful deployment
                     emailext (
                         to: 's223914256@deakin.edu.au',
                         subject: 'Deployment Successful',
                         body: 'The deployment was successful. Please verify.'
                     )
                 }
             }
        }
    }
}
```

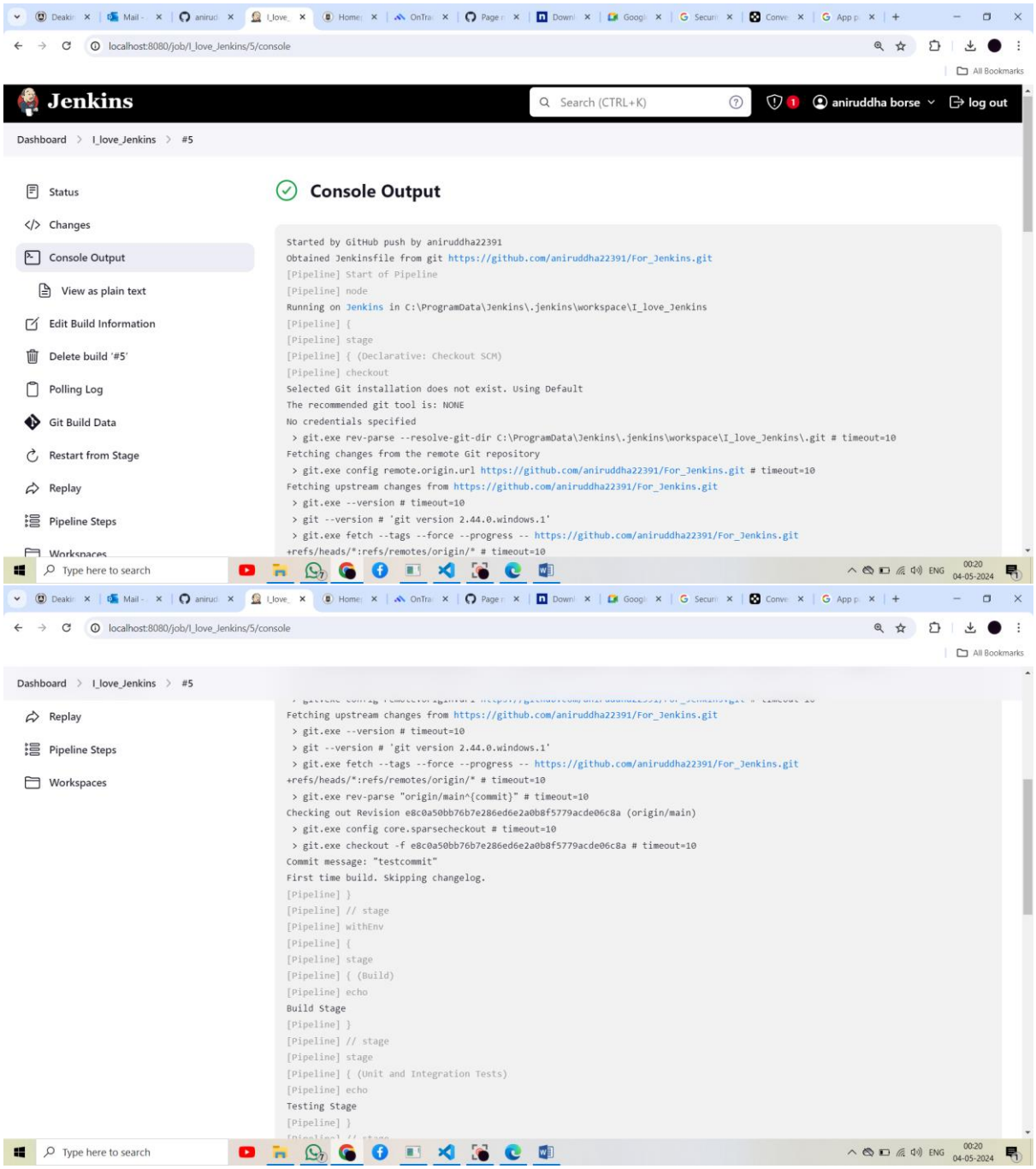
http://localhost:8080/job/I_love_Jenkins/configure


localhost:8080/job/I_love_Jenkins/configure
Dashboard
I_love_Jenkins
Configuration
Configure
General
Advanced Project Options
Pipeline
Plain text Preview
Discard old builds
Do not allow concurrent builds
Do not allow the pipeline to resume if the controller restarts
GitHub project
Project url
https://github.com/aniruddha22391/For_Jenkins.git/
Advanced
Pipeline speed/durability override
Preserve stashes from completed builds
This project is parameterized
Save
Apply
Type here to search
ENG
00:19
04-05-2024

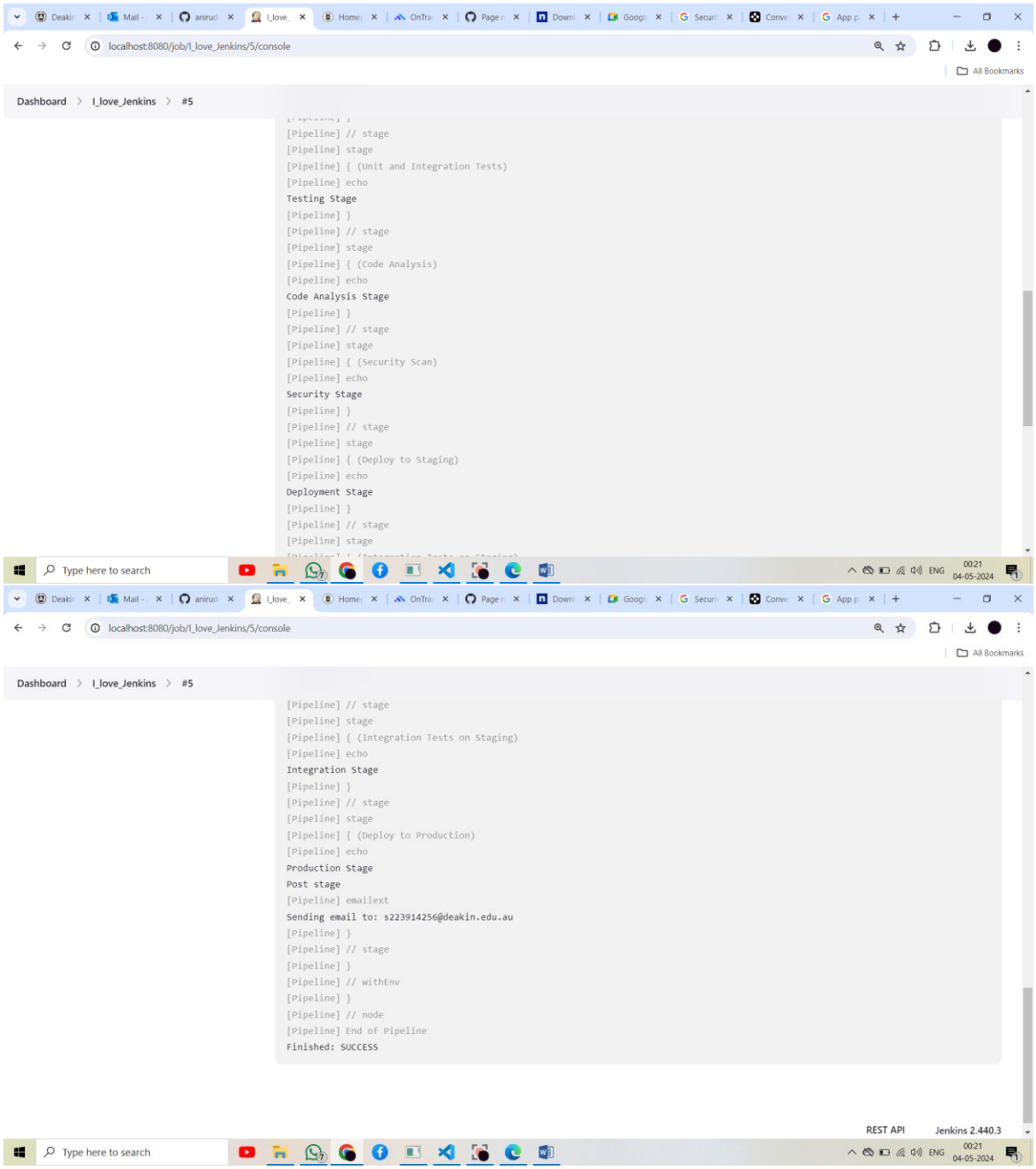
localhost:8080/job/I_love_Jenkins/configure
Dashboard
I_love_Jenkins
Configuration
Configure
General
Advanced Project Options
Pipeline
This project is parameterized
Throttle builds
Build Triggers
Build after other projects are built
Build periodically
GitHub hook trigger for GITScm polling
Poll SCM
Quiet period
Trigger builds remotely (e.g., from scripts)
Advanced Project Options
Advanced
Save
Apply
Type here to search
ENG
00:19
04-05-2024


localhost:8080/job/I_love_Jenkins/configure
Dashboard > I_love_Jenkins > Configuration
Configure
General
Advanced Project Options
Pipeline
Pipeline script from SCM
SCM
Git
Repositories
Repository URL
https://github.com/aniruddha22391/For_Jenkins.git
Credentials
- none -
+ Add
Advanced
Save
Apply
Type here to search
ENG
00:20
04-05-2024

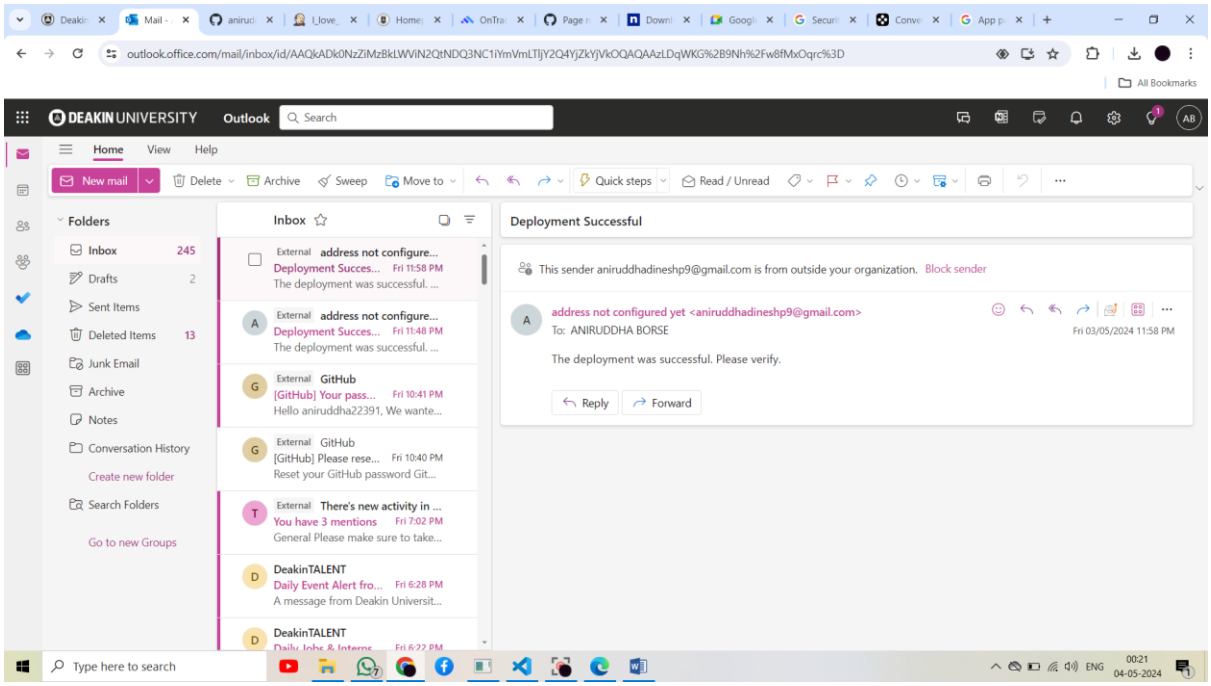
localhost:8080/job/I_love_Jenkins/configure
Dashboard > I_love_Jenkins > Configuration
Configure
General
Advanced Project Options
Pipeline
Add Repository
Branches to build
Branch Specifier (blank for 'any')
main
Add Branch
Repository browser
(Auto)
Additional Behaviours
Add
Save
Apply
Type here to search
ENG
00:20
04-05-2024


localhost:8080/job/I_love_Jenkins/5/console
Jenkins
Search (CTRL+K)
aniruddha borse
log out
Dashboard > I_love_Jenkins > #5
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#5'
Polling Log
Git Build Data
Restart from Stage
Replay
Pipeline Steps
Workspaces
Console Output
Started by GitHub push by aniruddha22391
Obtained Jenkinsfile from git https://github.com/aniruddha22391/For_Jenkins.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\I_love_Jenkins
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\I_love_Jenkins\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/aniruddha22391/For_Jenkins.git # timeout=10
Fetching upstream changes from https://github.com/aniruddha22391/For_Jenkins.git
> git.exe --version # timeout=10
> git --version # 'git version 2.44.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/aniruddha22391/For_Jenkins.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Type here to search
ENG
00:20
04-05-2024

localhost:8080/job/I_love_Jenkins/5/console
Dashboard > I_love_Jenkins > #5
Replay
Pipeline Steps
Workspaces
Fetching upstream changes from https://github.com/aniruddha22391/For_Jenkins.git
> git.exe --version # timeout=10
> git --version # 'git version 2.44.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/aniruddha22391/For_Jenkins.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "origin/main^{commit}" # timeout=10
Checking out Revision e8c0a50bb76b7e286ed6e2a0b8f5779acde06c8a (origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f e8c0a50bb76b7e286ed6e2a0b8f5779acde06c8a # timeout=10
Commit message: "testcommit"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] echo
Build Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Unit and Integration Tests)
[Pipeline] echo
Testing Stage
[Pipeline] }
Type here to search
ENG
00:20
04-05-2024


localhost:8080/job/I_love_Jenkins/5/console
Dashboard > I_love_Jenkins > #5
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Unit and Integration Tests)
[Pipeline] echo
Testing Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Code Analysis)
[Pipeline] echo
Code Analysis Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Security Scan)
[Pipeline] echo
Security Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Staging)
[Pipeline] echo
Deployment Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
Type here to search
ENG
00:21
04-05-2024

localhost:8080/job/I_love_Jenkins/5/console
Dashboard > I_love_Jenkins > #5
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Integration Tests on Staging)
[Pipeline] echo
Integration Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy to Production)
[Pipeline] echo
Production Stage
Post stage
[Pipeline] emailext
Sending email to: s223914256@deakin.edu.au
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
REST API
Jenkins 2.440.3
Type here to search
ENG
00:21
04-05-2024


outlook.office.com/mail/inbox/id/AAQkADk0NzZiMzBkLWViN2QtNDQ3NC1iYmVmLTIjY2Q4YjZkYjVkOQAQAAzLDqWKG%2B9Nh%2Fw8fMxOqrc%3D
DEAKIN UNIVERSITY
Outlook
Search
Home
View
Help
New mail
Delete
Archive
Sweep
Move to
Quick steps
Read / Unread
Folders
Inbox 245
Drafts 2
Sent Items
Deleted Items 13
Junk Email
Archive
Notes
Conversation History
Create new folder
Search Folders
Go to new Groups
Inbox
External address not configure... Deployment Succes... Fri 11:58 PM The deployment was successful. ...
External address not configure... Deployment Succes... Fri 11:48 PM The deployment was successful. ...
External GitHub [GitHub] Your pass... Fri 10:41 PM Hello aniruddha22391, We wante...
External GitHub [GitHub] Please rese... Fri 10:40 PM Reset your GitHub password Git...
External There's new activity in ... You have 3 mentions Fri 7:02 PM General Please make sure to take...
DeakinTALENT Daily Event Alert fro... Fri 6:28 PM A message from Deakin Universit...
DeakinTALENT
Deployment Successful
This sender aniruddhadineshp9@gmail.com is from outside your organization. Block sender
address not configured yet <aniruddhadineshp9@gmail.com>
To: ANIRUDDHA BORSE
Fri 03/05/2024 11:58 PM
The deployment was successful. Please verify.
Reply
Forward
Type here to search
ENG
00:21
04-05-2024