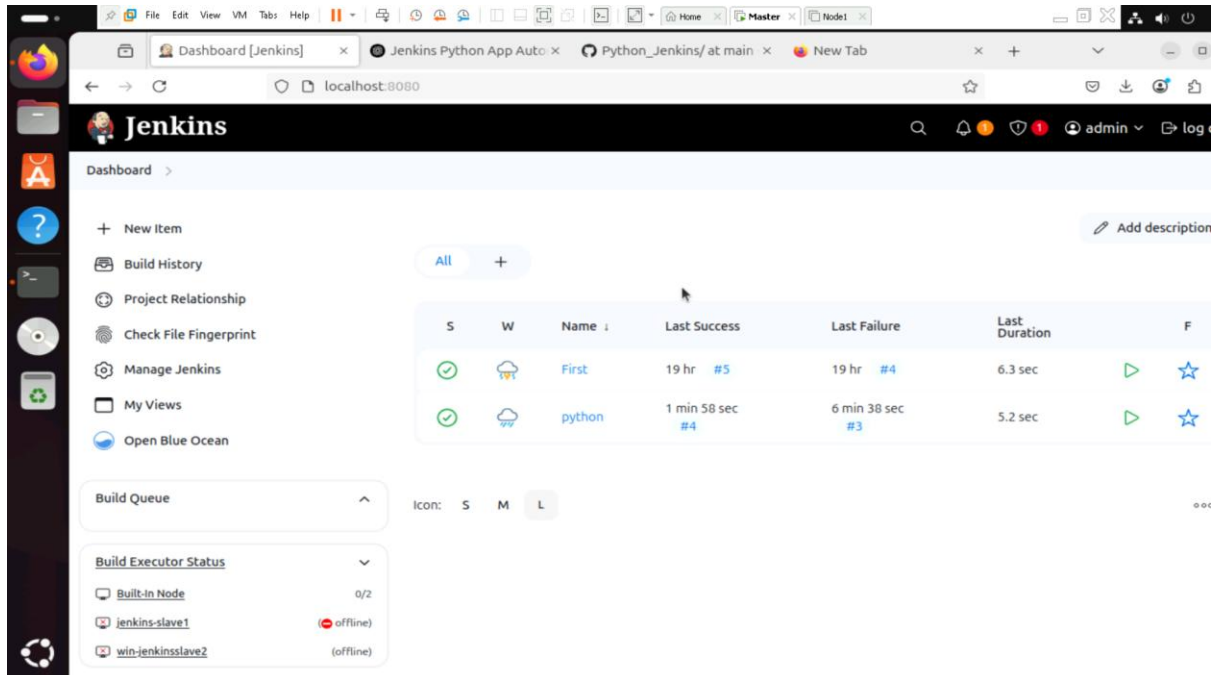


Assignment-2 Python

1. Create a new item

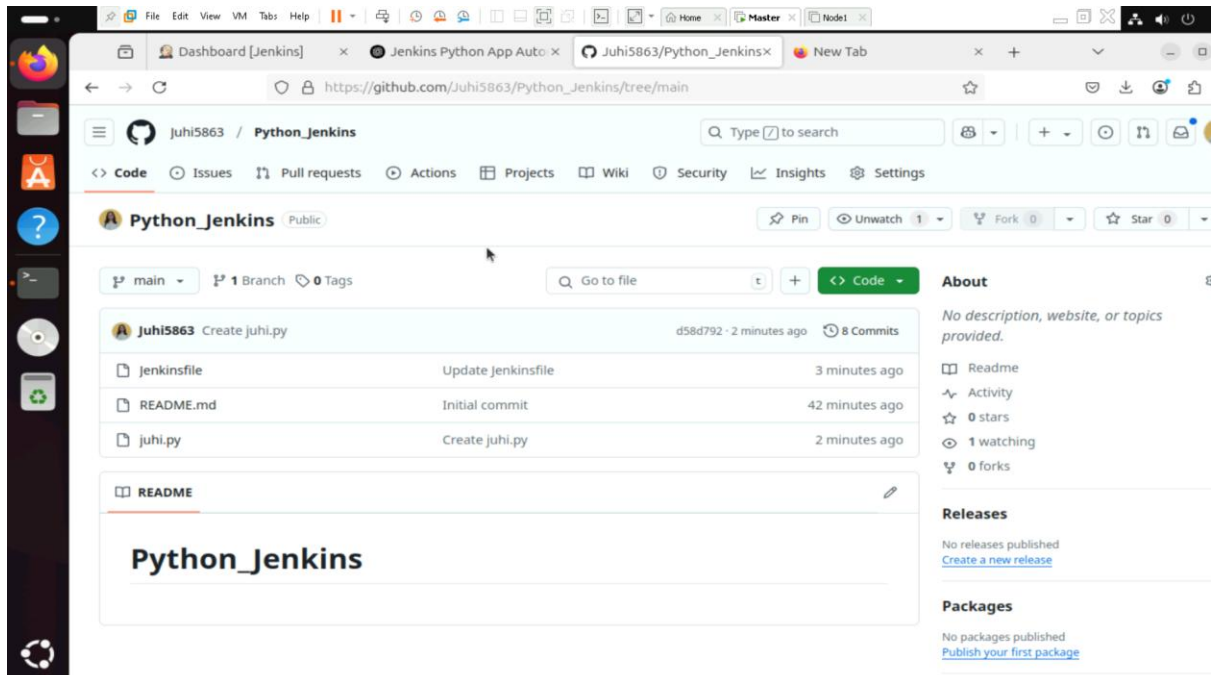


The screenshot shows the Jenkins Dashboard at localhost:8080. The left sidebar contains links to 'New Item', 'Build History', 'Project Relationship', 'Check File Fingerprint', 'Manage Jenkins', 'My Views', and 'Open Blue Ocean'. The main area displays a table of build history for the 'python' job.

S	W	Name	Last Success	Last Failure	Last Duration	F
✓	☁	First	19 hr #5	19 hr #4	6.3 sec	▶ ☆
✓	☁	python	1 min 58 sec #4	6 min 38 sec #3	5.2 sec	▶ ☆

Below the table, the 'Build Queue' is empty. The 'Build Executor Status' section shows 'Built-in Node' (0/2) and two offline slave nodes: 'jenkins-slave1' and 'win-jenkinslave2'.

2. Create a new repo in github name Python_Jenkins add all the files



The screenshot shows the GitHub repository page for 'Python_Jenkins' by user 'Juhi5863'. The repository is public and has 1 branch (main) and 0 tags. The commit history shows three recent commits: 'jenkinsfile' (3 minutes ago), 'README.md' (42 minutes ago), and 'juhi.py' (2 minutes ago). The README file is displayed with the title 'Python_Jenkins'.

3. OUTPUT

The image displays two screenshots of the Jenkins web interface, showing the console output of a pipeline named 'python #4'.

Top Screenshot: The 'Console Output' tab is selected. The output shows the pipeline starting by user 'admin', obtaining the Jenkinsfile from a GitHub repository, and beginning a checkout stage. It notes that the recommended git tool is 'NONE' and no credentials are specified. The checkout process begins with resolving the git directory.

```
Started by user admin
Obtained Jenkinsfile from git https://github.com/Juhi5863/Python_Jenkins.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/python
[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 rev-parse --resolve-git-dir /var/lib/jenkins/workspace/python/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Juhi5863/Python_Jenkins.git # timeout=10
Fetching upstream changes from https://github.com/Juhi5863/Python_Jenkins.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
> git fetch --tags --force --progress -- https://github.com/Juhi5863/Python_Jenkins.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
```

Bottom Screenshot: The console output continues with the checkout process. It shows the git checkout command being executed, the creation of a new branch 'main', and the checkout of a specific commit. The commit message is 'Create juhi.py'. The pipeline then proceeds to a 'Run Code' stage, where a shell command is executed.

```
> git checkout -f 03007324c87000c0083693231a5469e6b95d7c76 # timeout=10
> git branch -a -v --no-abbrev # timeout=10
> git branch -D main # timeout=10
> git checkout -b main d58d7924ca7ddbc88a9893231a5469e6b95d7c76 # timeout=10
Commit message: "Create juhi.py"
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Run Code)
[Pipeline] sh
Warning: JENKINS-41339 probably bogus PATH=/usr/bin:/usr/local/bin:/usr/bin:/usr/local/bin:$PATH;
perhaps you meant to use 'PATH+EXTRA=/something/bin'?
+ python3 juhi.py
hi, juhi
hi, juhi
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

The bottom right corner of the Jenkins interface shows 'REST API' and 'Jenkins 2.491'.