CC LAB-8

NAME: AJAYBIR SUNGH HARI

SRN: PES2UG22CS042

TASK 1:

Screenshot1:

```
************************************************************
************************************************************

Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

94203148bc874c3e90272aafc4d121cc

This may also be found at: /var/jenkins_home/secrets/initialAdminPassword

************************************************************
************************************************************
************************************************************
```

TASK 2;

SCREENSHOT1;

```
Started by user AJAYBIR SINGH HARI
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/PES2UG22CS042-1
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir /var/jenkins_home/workspace/PES2UG22CS042-1/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/Ajay15305/cc-lab-8 # timeout=10
Fetching upstream changes from https://github.com/Ajay15305/cc-lab-8
 > git --version # timeout=10
 > git --version # 'git version 2.39.5'
 > git fetch --tags --force --progress -- https://github.com/Ajay15305/cc-lab-8 +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/main
Seen 1 remote branch
 > git show-ref --tags -d # timeout=10
Checking out Revision 4f8f14a85d6d7fcaebaa18a9245f26ad94a83327 (origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 4f8f14a85d6d7fcaebaa18a9245f26ad94a83327 # timeout=10
Commit message: "PES2UG22CS042"
 > git rev-list --no-walk 4f8f14a85d6d7fcaebaa18a9245f26ad94a83327 # timeout=10
[PES2UG22CS042-1] $ /bin/sh -xe /tmp/jenkins4093724047412318601.sh
+ make -C main
make: Entering directory '/var/jenkins_home/workspace/PES2UG22CS042-1/main'
g++ hello.cpp -o hello_exec
make: Leaving directory '/var/jenkins_home/workspace/PES2UG22CS042-1/main'
Finished: SUCCESS
```

SCREENSHOT 2:

Build History of Jenkins

S	Build		Time Since ↑	Status	
✓	PES2UG22CS042-1	#2	1 min 13 sec	stable	⌨
✓	PES2UG22CS042-1	#1	3 min 15 sec	stable	⌨

Icon: S   M   L   ○○○

TASK 3:

SCREENSHOT 1:

```
Started by user AJAYBIR SINGH HARI
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/PES2UG22CS042-1
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir /var/jenkins_home/workspace/PES2UG22CS042-1/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/Ajay15305/cc-lab-8 # timeout=10
Fetching upstream changes from https://github.com/Ajay15305/cc-lab-8
 > git --version # timeout=10
 > git --version # 'git version 2.39.5'
 > git fetch --tags --force --progress -- https://github.com/Ajay15305/cc-lab-8 +refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/main
Seen 1 remote branch
 > git show-ref --tags -d # timeout=10
Checking out Revision 4f8f14a85d6d7fcaebaa18a9245f26ad94a83327 (origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 4f8f14a85d6d7fcaebaa18a9245f26ad94a83327 # timeout=10
Commit message: "PES2UG22CS042"
 > git rev-list --no-walk 4f8f14a85d6d7fcaebaa18a9245f26ad94a83327 # timeout=10
[PES2UG22CS042-1] $ /bin/sh -xe /tmp/jenkins4353849428785323759.sh
+ make -C main
make: Entering directory '/var/jenkins_home/workspace/PES2UG22CS042-1/main'
make: 'hello_exec' is up to date.
make: Leaving directory '/var/jenkins_home/workspace/PES2UG22CS042-1/main'
Triggering a new build of PES2UG22CS042-2
Finished: SUCCESS
```

SCREENSHOT 2:

```
Started by upstream project "PES2UG22CS042-1" build number 3
originally caused by:
 Started by user AJAYBIR SINGH HARI
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/PES2UG22CS042-2
[PES2UG22CS042-2] $ /bin/sh -xe /tmp/jenkins5358536542603096256.sh
+ cd /var/jenkins_home/workspace/PES2UG22CS042-1/main/
+ ./hello_exec
Hello, World
Hello, Jenkins
I am useless
Finished: SUCCESS
```

SCREENSHOT 3:

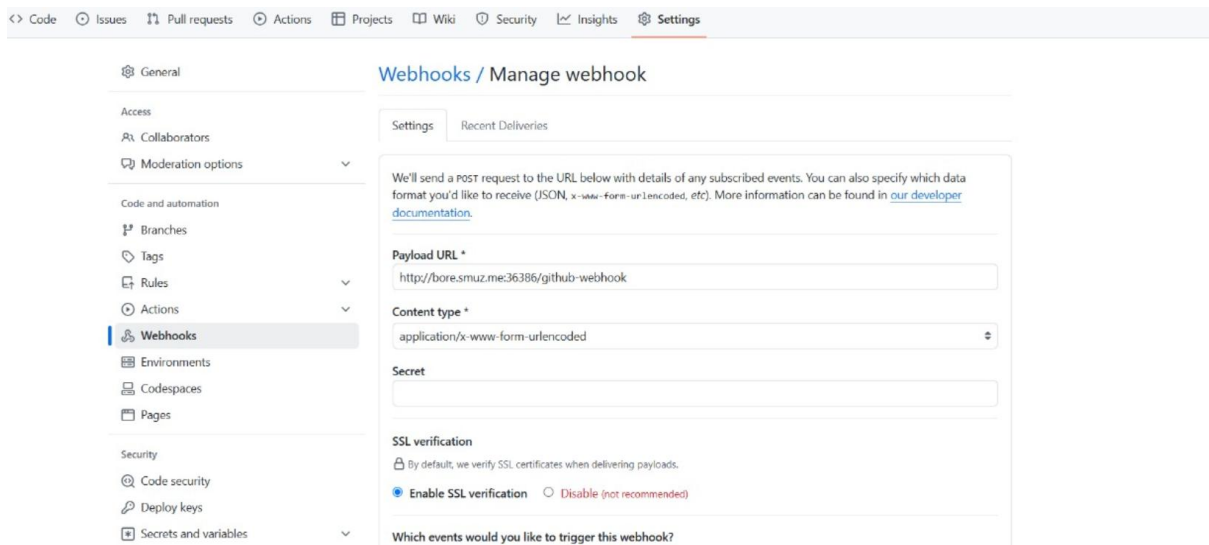| S	W	Name ↓	Last Success	Last Failure	Last Duration	
⊘	☀	PES2UG22CS042-1	2 min 57 sec #3	N/A	0.93 sec	▷
⊘	☀	PES2UG22CS042-2	2 min 48 sec #1	N/A	26 ms	▷

TASK 4:

SCREENSHOT 1:

Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our Webhooks Guide.

- http://bore.smuz.me:51233/ *(push)*   Edit   Delete
  This hook has never been triggered.

SCREENSHOT-2:

⚙ General

Access

ℛ Collaborators

⌱ Moderation options   ⌄

Code and automation

⌥ Branches

◌ Tags

⊟ Rules   ⌄

⊙ Actions   ⌄

⅗ Webhooks

⊞ Environments

⊟ Codespaces

⊡ Pages

Security

⊕ Code security

⊘ Deploy keys

⊞ Secrets and variables   ⌄

Webhooks / Manage webhook

Settings   Recent Deliveries

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our developer documentation.

Payload URL *

http://bore.smuz.me:36386/github-webhook

Content type *

application/x-www-form-urlencoded   ⇕

Secret

SSL verification

🔒 By default, we verify SSL certificates when delivering payloads.

● Enable SSL verification   ○ Disable (not recommended)

Which events would you like to trigger this webhook?

TASK 5:

SCREENSHOT 1:

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script   ⌄

Script ?

```
 1 ▾ pipeline {
 2        agent any
 3
 4 ▾     stages {
 5 ▾         stage('Hello') {
 6 ▾             steps {
 7                    echo 'Hello World'
 8                }
 9            }
10        }
11    }
12
```

Hello World   ⌄

☑ Use Groovy Sandbox ?

SCREENSHOT 2:

```
[Pipeline] { (Build)
[Pipeline] script
[Pipeline] {
[Pipeline] sh
+ g++ main/hello.cpp -o main/hello
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] script
[Pipeline] {
[Pipeline] sh
+ ./main/hello
Hello, World
Hello, Jenkins
My Name is Aathil
I have successfully built and run this
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy)
[Pipeline] echo
Deployment Stage: No actual deployment in this lab.
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

```
[Pipeline] {
[Pipeline] sh
+ g++ random.cpp -o main/hello
cc1plus: fatal error: random.cpp: No such file or directory
compilation terminated.
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
Stage "Test" skipped due to earlier failure(s)
[Pipeline] getContext
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy)
Stage "Deploy" skipped due to earlier failure(s)
[Pipeline] getContext
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Pipeline failed!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
ERROR: script returned exit code 1
Finished: FAILURE
```