Workflow

compile and deploy it on slave using Declarative pipeline

1 Click "Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or o..."

assignment-14

» Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM v something other than software build.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for buil and/or organizing complex activities that do not easily fit in free-style job type.
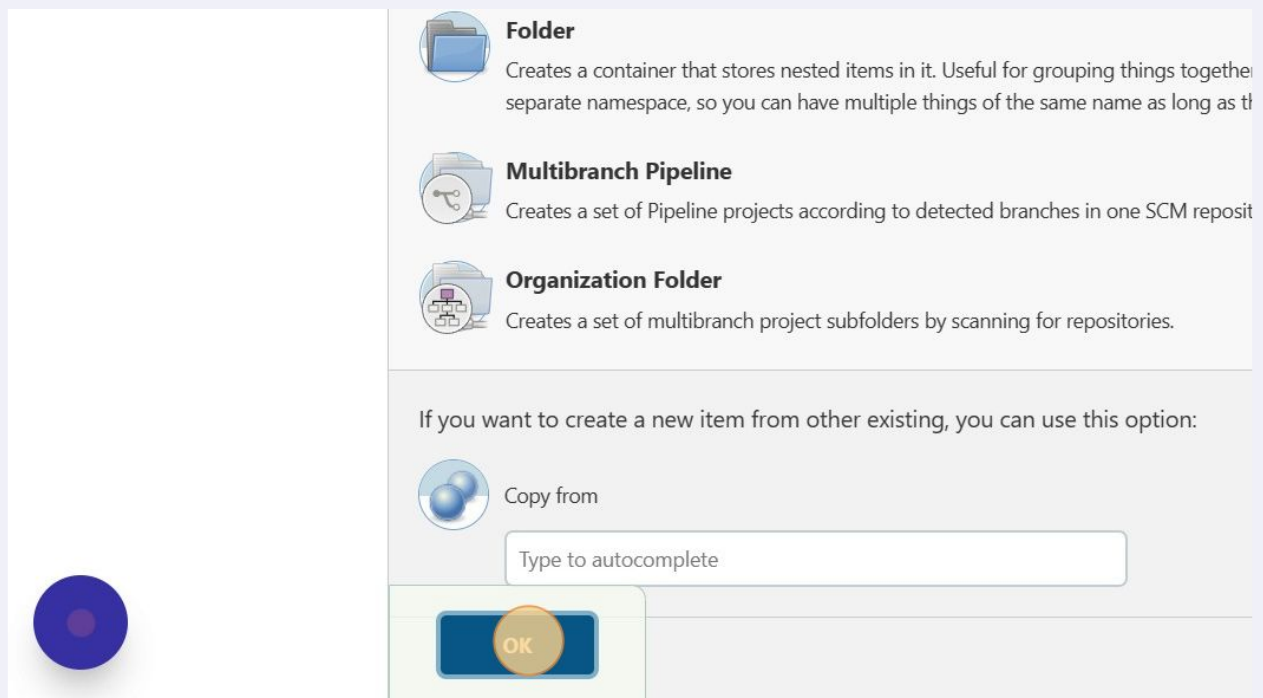
Multi-configuration project
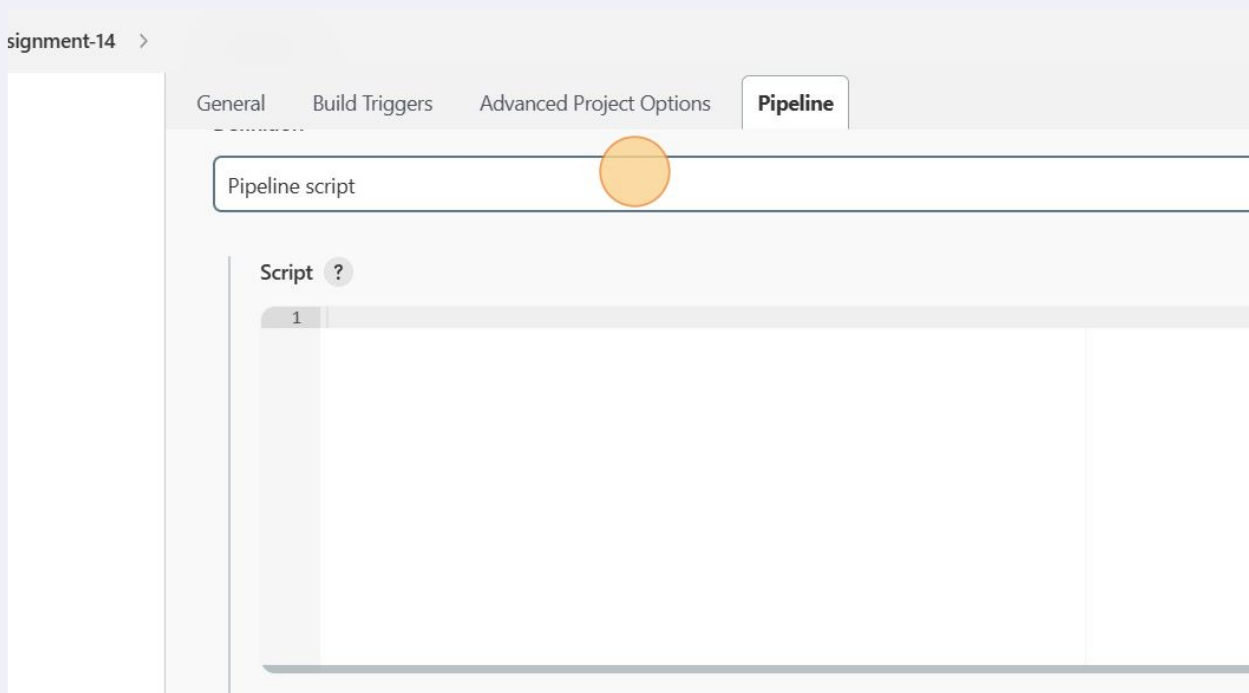Suitable for projects that need a large number of different configurations, such as testing etc.

Folder
Creates a container that stores nested items in it. Useful for grouping things together. Un separate namespace, so you can have multiple things of the same name as long as they

2 Click "OK"

Folder

Creates a container that stores nested items in it. Useful for grouping things together separate namespace, so you can have multiple things of the same name as long as t

Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM reposit

Organization Folder

Creates a set of multibranch project subfolders by scanning for repositories.

If you want to create a new item from other existing, you can use this option:

Copy from

Type to autocomplete

OK

---

3 Click this dropdown.

signment-14 >

General   Build Triggers   Advanced Project Options   **Pipeline**

Pipeline script

Script ?

1

4 Click this dropdown.

Pipeline

Definition

Pipeline script from SCM

SCM ?

None

Script Path ?

Jenkinsfile

☑ Lightweight checkout ?

Pipeline Syntax

5 Click this text field.

SCM ?

Git

Repositories ?

Repository URL ?

🚫 **Please enter Git repository.**
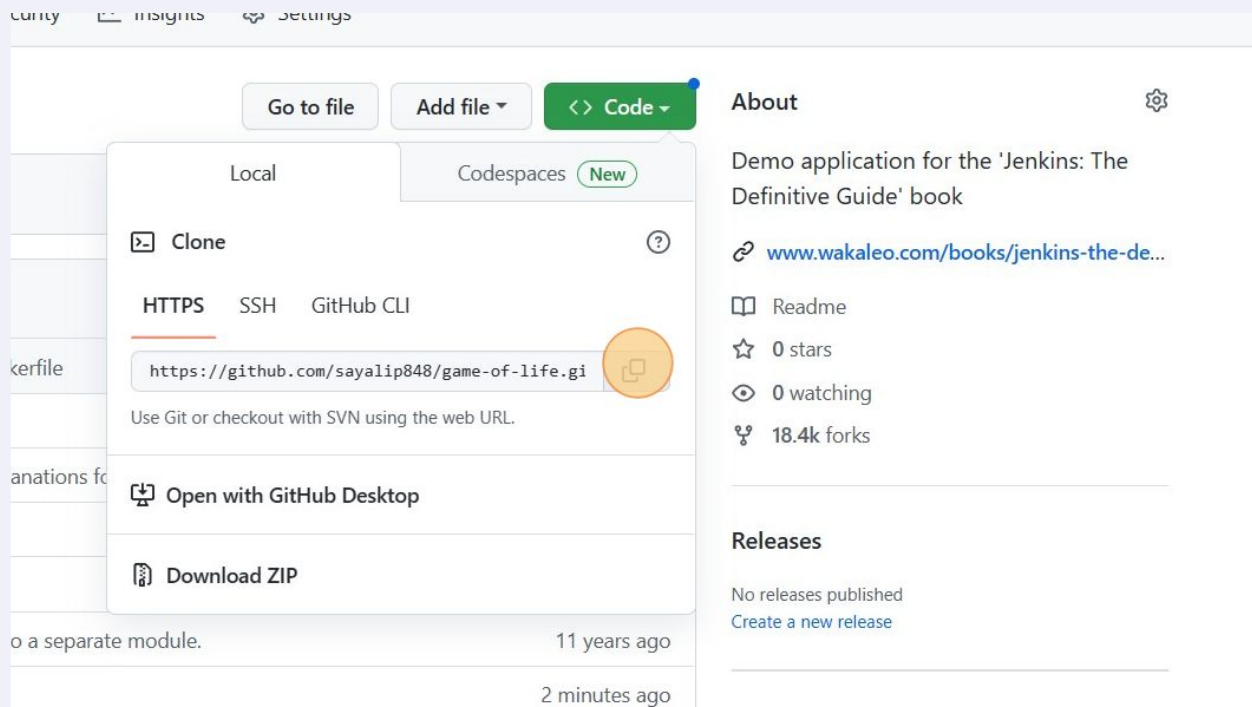
Credentials ?

- none -

＋ Add

6 Switch to tab "sayalip848/game-of-life: Demo application for the 'Jenkins: The Definitive Guide' book"

7 Click this icon.

8 Press [[ctrl]] + [[v]]

9 Click here.

https://github.com/sayalip848/game-of-life.git

🚫 **Please enter Git repository.**

Credentials ?

- none -

＋ **Add**

Advanced...

Add Repository

Branches to build ?

Save   Apply

---

10 Click this text field.

Repository browser ?

(Auto)

Additional Behaviours

Add ▾

Script Path ?
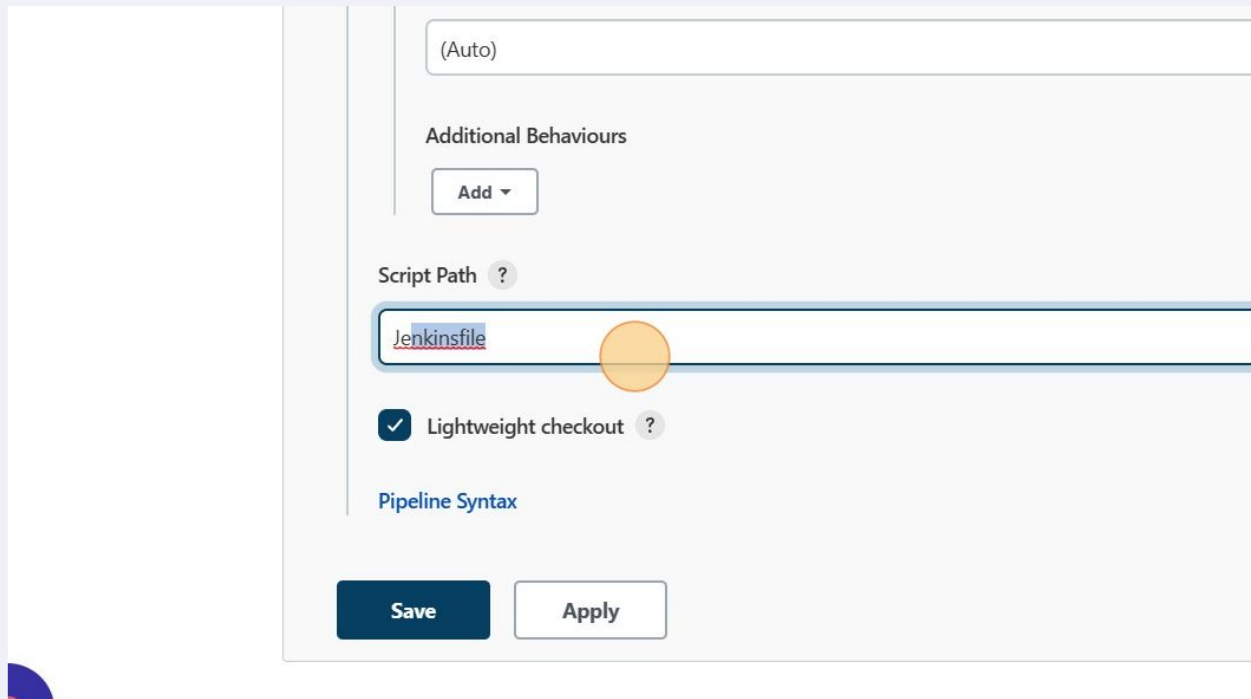
Jenkinsfile

☑ Lightweight checkout ?

Pipeline Syntax
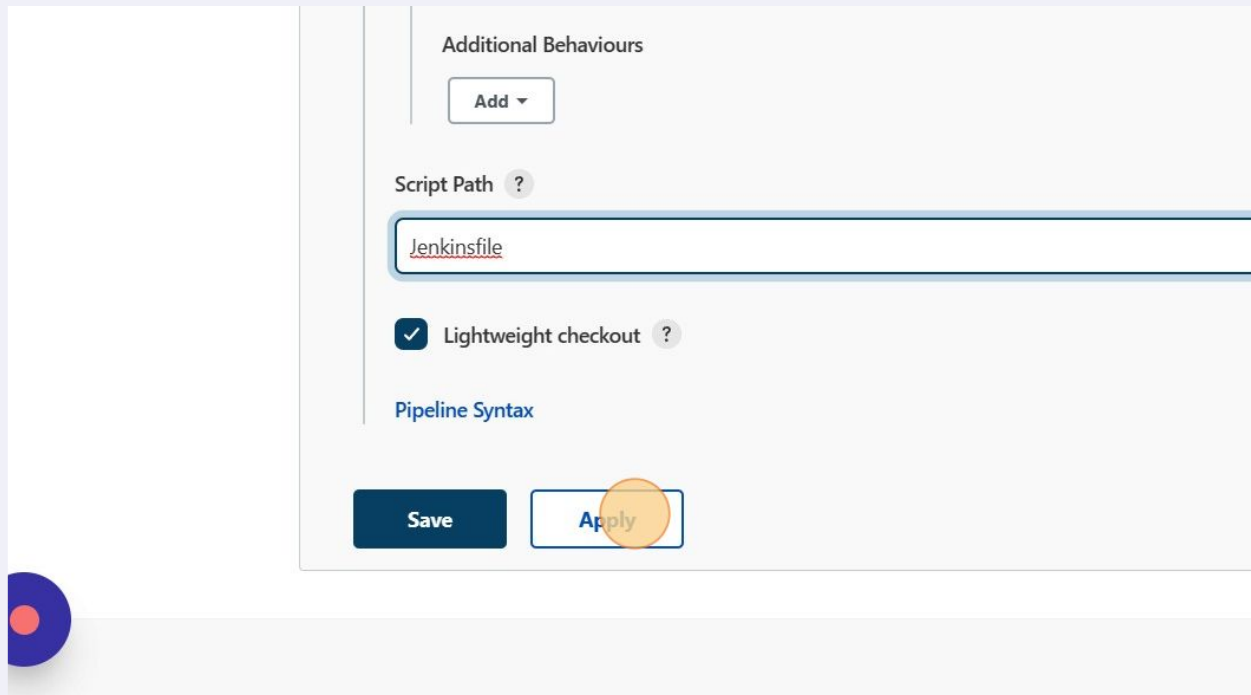
Save   Apply

11 Click this text field.

(Auto)

Additional Behaviours

Add ▾

Script Path ?

Jenkinsfile

☑ Lightweight checkout ?

Pipeline Syntax

Save   Apply

12 Click "Apply"

Additional Behaviours

Add ▾

Script Path ?

Jenkinsfile

☑ Lightweight checkout ?

Pipeline Syntax

Save   Apply

13 Click "Save"

Additional Behaviours

Add ▾

Script Path ?

Jenkinsfile

☑ Lightweight checkout ?

Pipeline Syntax

Save   **Apply**

14 Click "Build Now"

Dashboard > assignment-14 >

↑ Back to Dashboard

▤ Status

</> Changes

▷ Build Now

⚙ Configure

🗑 Delete Pipeline

🔍 Full Stage View

✏ Rename

⌾ Pipeline Syntax

Pipeline assignment-14

</> **Recent Changes**

Stage View

No data available. This Pipeline has not yet run.

Permalinks

15 Click "Stage View"

Pipeline assignment-14

board

</> Recent Changes

Stage View

ine

ew

	Declarative: Checkout SCM	Declarative: Tool Install	git
Average stage times:	937ms	92ms	819ms

tax

trend ⌄

| #1 Dec 22 15:02 | No Changes | 937ms | 92ms | 819ms |

16 Click here.

✎ Add description

Disable Project

Declarative: Checkout SCM	Declarative: Tool Install	git	complie
937ms	92ms	819ms	354ms
937ms	92ms	819ms	354ms

17 Click "Dec 22, 2022 3:02 PM"

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

</> Recent Changes

Stage View

	Declarative: Checkout SCM	Declarative: Tool Install
Average stage times:	937ms	92ms

#1
Dec 22
15:02

No Changes

937ms

92ms

Build History   trend ∨

Filter builds...

⋯ #1   Dec 22, 2022 3:02 PM   ∨   ✖

tom feed for all   Atom feed for failures

Permalinks

18 Click "Console Output"

Dashboard > assignment-14 > #1

↑ Back to Project

☰ Status

</> Changes

>_ Console Output

✎ Edit Build Information

◈ Git Build Data

∿ Thread Dump

‖ Pause/resume

↪ Replay

⋯ **Build #1 (Dec 22, 2022 3:02:07 PM)**

◇ Started by user sayali

git **Revision**: 1d3ea7d4e41aa14b6595cb6008317dc08dfebb51
Repository: https://github.com/sayalip848/game-of-life.git

• refs/remotes/origin/master

19 Click "[Pipeline] Start of Pipeline (hide)"

↑ Back to Project

▤ Status

</> Changes

▣ Console Output

📄 View as plain text

✎ Edit Build Information

◆ Git Build Data

〜 Thread Dump

‖ Pause/resume

⊙ Console Output

Started by user sayali
Obtained Jenkinsfile from git https://github.com/sayalip848/game-of-
[Pipeline] Start of Pipeline (hide)
[Pipeline] node
Running on 172.31.46.198 in /mnt/project/workspace/assignment-14
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
The recommended git tool is: /usr/bin/git
No credentials specified
Fetching changes from the remote Git repository
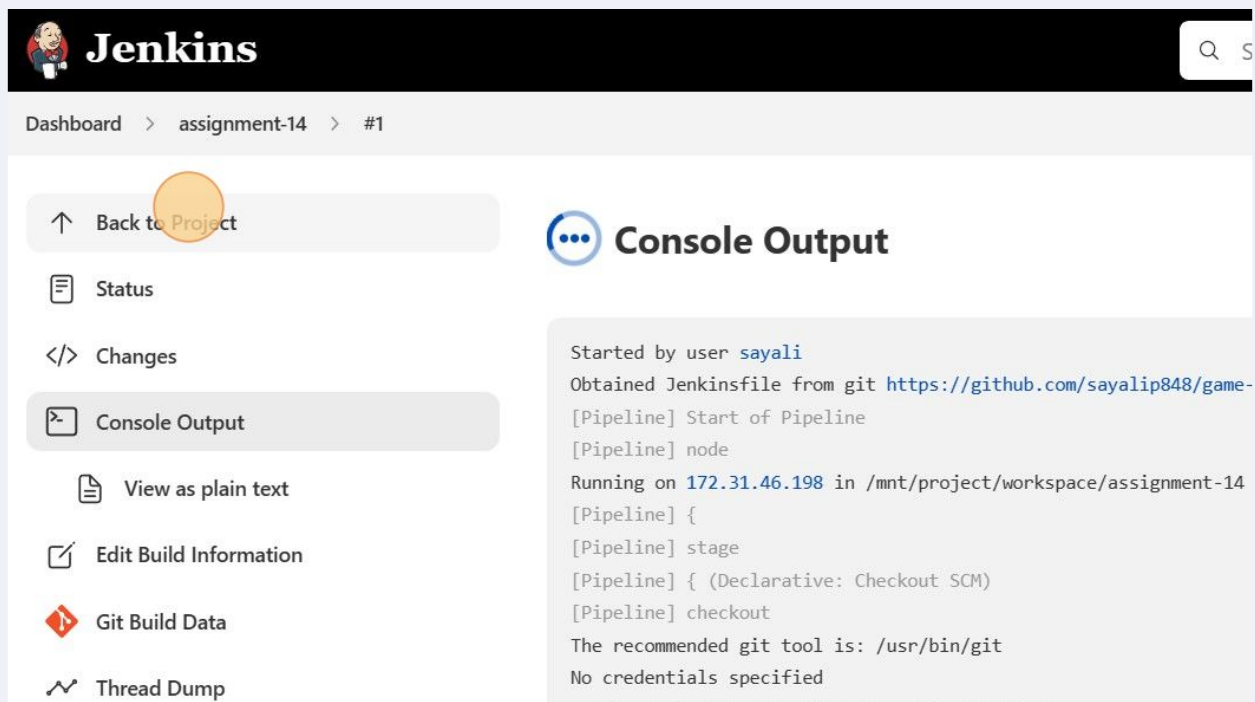Checking out Revision 1d3ea7d4e41aa14b6595cb6008317dc08dfebb51 (refs

20 Click here.

ser sayali
kinsfile from git https://github.com/sayalip848/game-of-life.git
tart of Pipeline
ode
72.31.46.198 in /mnt/project/workspace/assignment-14

tage
 (Declarative: Checkout SCM)
heckout
ded git tool is: /usr/bin/git
ls specified
nges from the remote Git repository
. Revision 1d3ea7d4e41aa14b6595cb6008317dc08dfebb51 (refs/remotes/origin/master)
ge: "Create Jenkinsfile"
uild. Skipping changelog.
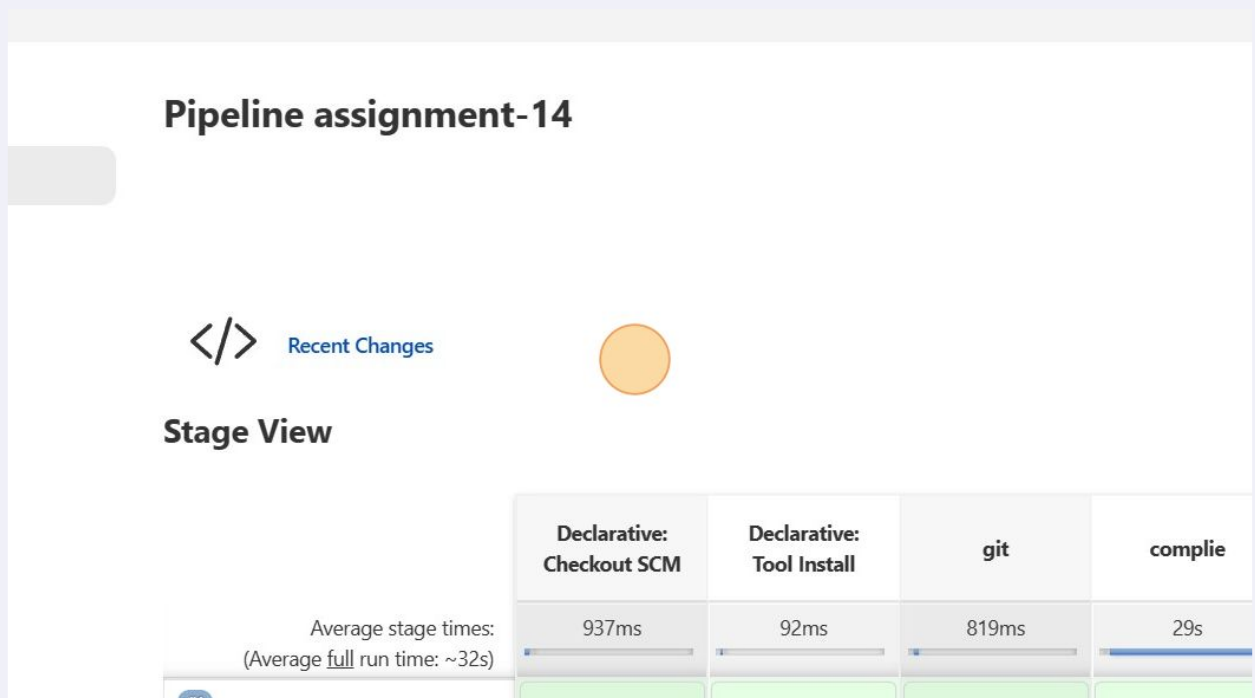
/ stage
ithEnv

tage
 (Declarative: Tool Install)

21 Click "Back to Project"

Jenkins

↑ Back to Project

📄 Status

</> Changes

▶️ Console Output

📄 View as plain text

☑️ Edit Build Information

Git Build Data

〽️ Thread Dump

··· Console Output

```
Started by user sayali
Obtained Jenkinsfile from git https://github.com/sayalip848/game-
[Pipeline] Start of Pipeline
[Pipeline] node
Running on 172.31.46.198 in /mnt/project/workspace/assignment-14
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
The recommended git tool is: /usr/bin/git
No credentials specified
```

22 Click here.

Pipeline assignment-14

</> Recent Changes

Stage View

	Declarative: Checkout SCM	Declarative: Tool Install	git	complie
Average stage times: (Average full run time: ~32s)	937ms	92ms	819ms	29s
#1				

23 Click here.

assignment-14

cent Changes

w

Declarative: Checkout SCM	Declarative: Tool Install	git	complie	deploy
937ms	92ms	819ms	29s	436ms

Average stage times:
e full run time: ~32s)
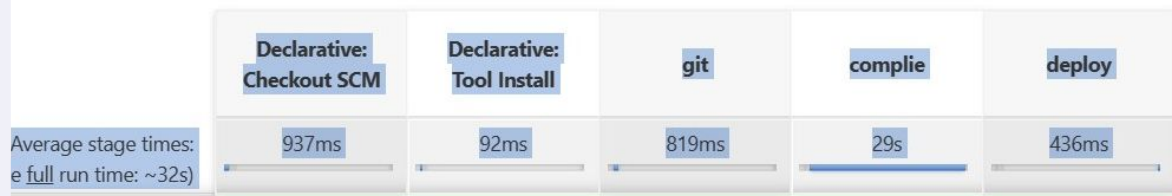
24 Switch to tab "Instances | EC2 Management Console"

25 Click here.

Instance: i-05e57eff096cea296 (slave1)

Details	Security	Networking	Storage	Status checks	Monitoring	Tags

⊘ Public IPv4 address copied

▼ Instance summary **Info**

Instance ID
⧉ i-05e57eff096cea296 (slave1)

IPv6 address
–

Hostname type
IP name: ip-172-31-46-198.ap-south-1.compute.internal

...lic IPv4 address
⧉ 3.108.44.104 | open address ↗

Instance state
⊘ Running

Private IP DNS name (IPv4 only)
⧉ ip-172-31-46-198.ap-south-1.compute.internal

Priva...
⧉

Publ...
⧉
1.co...

...tion? Find it in the new **Unified Settings** ↗   © 2022, Amazon Web Services India Privat...

26 Switch to tab "New tab"

27   Click "New Game"

This is a really cool web version of Conway's famous Game Of Life. The Game of Life is a cellular automaton devised

The universe of the Game of Life is an infinite two-dimensional orthogonal grid of square cells, each of which is in one
are the cells that are directly horizontally, vertically, or diagonally adjacent. At each step in time, the following transitio

- Any live cell with fewer than two live neighbours dies, as if caused by underpopulation.
- Any live cell with more than three live neighbours dies, as if by overcrowding.
- Any live cell with two or three live neighbours lives on to the next generation.
- Any dead cell with exactly three live neighbours becomes a live cell.

New Game

28   Navigate to github.com/sayalip848/game-of-life/tree/master

29 Click "Jenkinsfile"

This branch is 15 commits ahead of Shantanumajan6:master.   ⫘ Contrib

sayalip848 Create Jenkinsfile ...   1d3ea7d 5 minut

📁	gameoflife-acceptance-tests	move Selenium Dockerfile
📁	gameoflife-build	Updated versions
📁	gameoflife-core	Added function explanations for grid, cell, and related classes
📁	gameoflife-deploy	Tidied up code
📁	gameoflife-web	Update pom.xml
📄	.gitignore	Moved web tests into a separate module.
📄	Jenkinsfile	Create Jenkinsfile
📄	README.markdown	Edit for clarity
📄	infinitest.filters	First commit
📄	pom.xml	Update pom.xml

30 Click "pipeline {"

👥 1 contributor

26 lines (26 sloc) | 563 Bytes

```
1    pipeline {
2        agent {
3            label 'test'
4        }
5        tools {
6            maven 'mvn-install'
7            git 'git'
8        }
9        stages {
10           stage ('git') {
11               steps {
12                   git url: 'https://github.com/sayalip848/game-of-life.git'
13               }
14           }
15           stage ('complie') {
16               steps {
17                   sh "mvn clean install"
```