

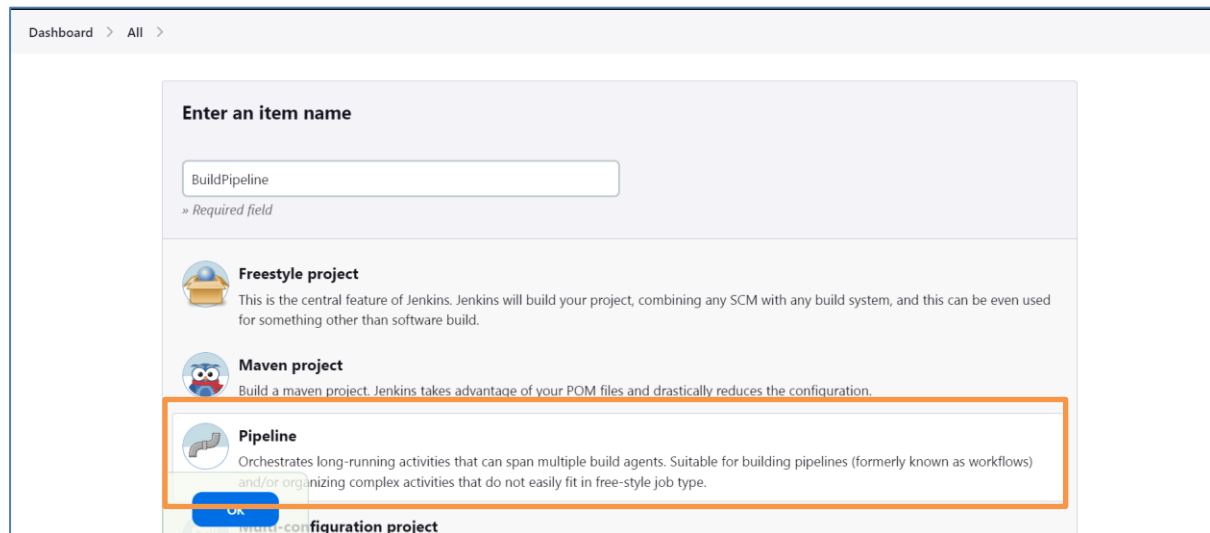
## ASSIGNMENT 8 DevOps

IT\_BE\_41\_Himanshu Shukla

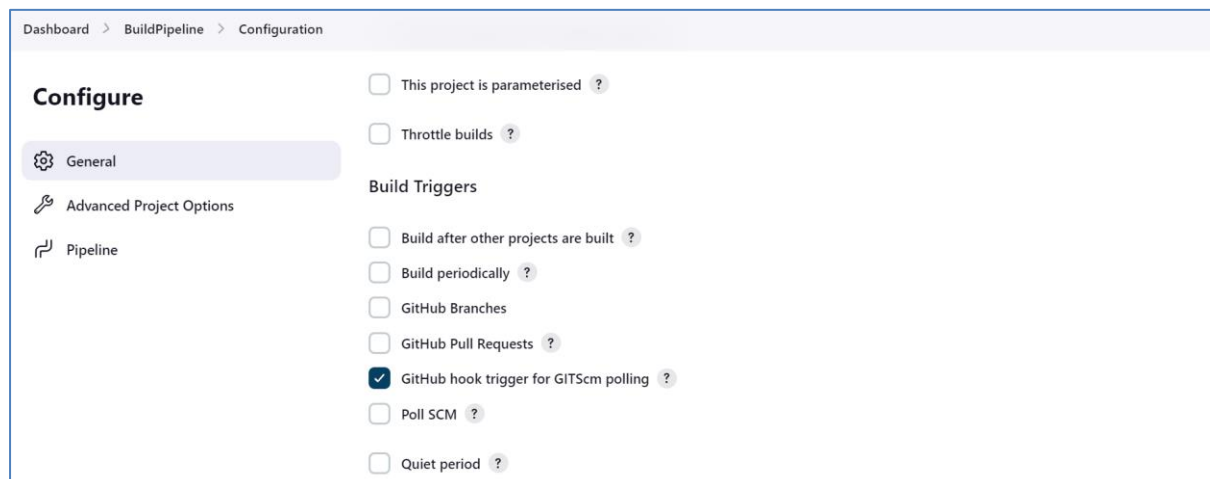
**Create a Jenkins pipeline to execute any Java Application. Keep the application & Jenkinsfile on Github.**

**Prerequisites: Jenkins, GitHub Account, Java installed on system (jdk)**

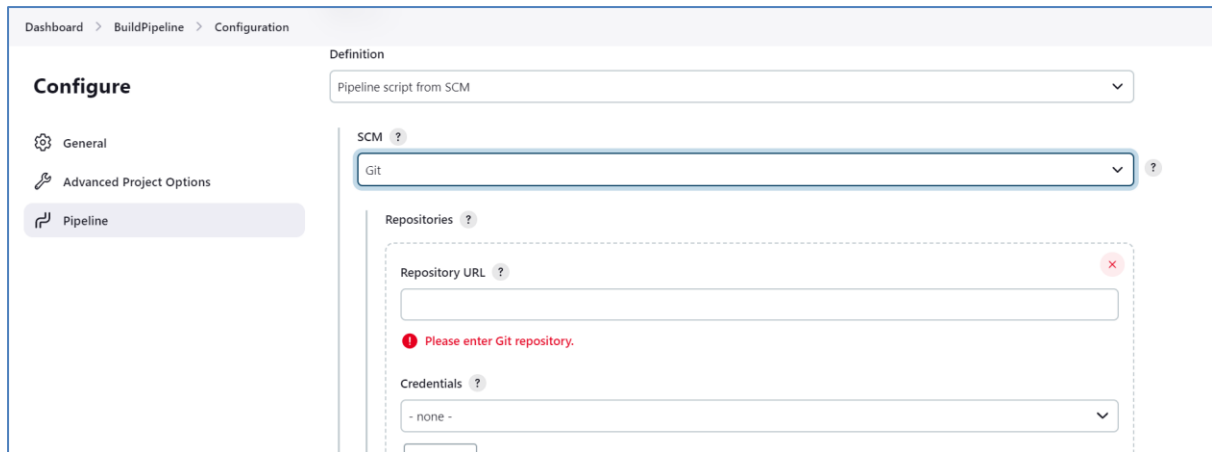
1) go to localhost:8080 and click on new Item create a **Pipeline Project**



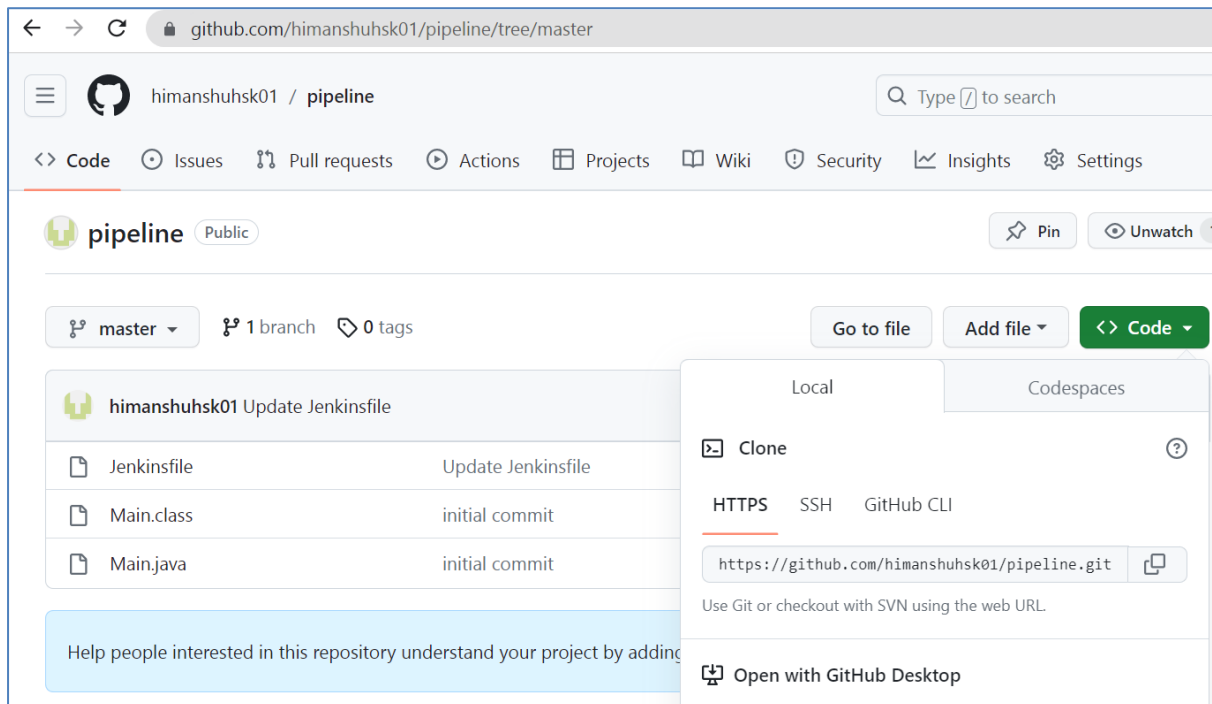
2) Under Build triggers click on github hook trigger for GITScm polling



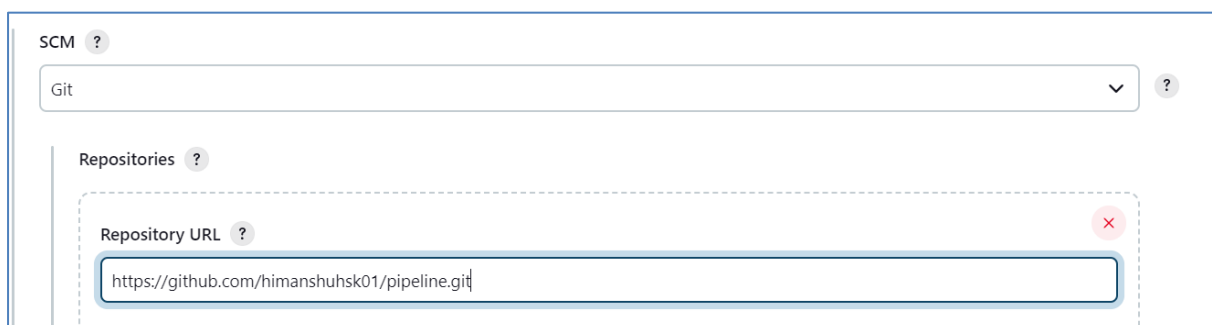
3) select **“Pipeline script from scm”** and paste the link of git hub repo



Here I have created a simple Hello world **java program** along with a pipeline script (file name of pipeline script should to be strictly **Jenkinsfile** and branch preferred to be master) ([link](#)) It is preferred to once to go through jenkinsfile(pipeline script)



Go to jenkins page again and paste the https link of github there



Script path should be Jenkinsfile

Script Path ?

Jenkinsfile

☒ Lightweight checkout ?

[Pipeline Syntax](#)

Click apply and save

Step 4: Now click on “build Now” button to build it. So here java program is successfully created through pipeline

**BuildPipeline**

Build Now

Stage View

	Declarative: Checkout SCM	Checkout	Build	Test	Declarative: Post Actions
Average stage times: (Average full run time: ~8s)	1s	2s	680ms	711ms	216ms
#1 Nov 22 16:45 No Changes	1s	2s	680ms	711ms	216ms

Permalinks

#1 22 Nov 2023, 16:45

Atom feed for all Atom feed for failures

Dashboard > BuildPipeline > #1

Console Output

```
Started by user Himanshu
Obtained Jenkinsfile from git https://github.com/himanshuhs01/pipeline.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\jenkins\workspace\BuildPipeline
[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
Cloning the remote Git repository
Cloning repository https://github.com/himanshuhs01/pipeline.git
> C:\Program Files\Git\bin\git.exe init C:\ProgramData\Jenkins\jenkins\workspace\BuildPipeline # timeout=10
Fetching upstream changes from https://github.com/himanshuhs01/pipeline.git
> C:\Program Files\Git\bin\git.exe --version # timeout=10
> git --version # 'git version 2.39.0.windows.2'
> C:\Program Files\Git\bin\git.exe fetch --tags --force --progress -- https://github.com/himanshuhs01/pipeline.git +refs/heads/*:refs/remotes/origin/* # timeout=10
```