

1. First, make a repo on GitHub:
2. Clone it on the local system:
3. Open folder in VS Code:

### extract\_data.py

```
import pandas as pd
print("Extract Data")
# Sample data
data = {
    'Id': [101, 102, 103],
    'Name': ['Ram', 'Raj', 'Raja'],
    'Age': [29, 34, 42]
}
# Create DataFrame
df = pd.DataFrame(data)
# Display the DataFrame
print(df)
```

### jenkinfile

```
pipeline {
    agent any

    stages {
        stage('Checkout Code') {
            steps {
                checkout scm
            }
        }

        stage('Extract Data') {
            steps {
                // Replace script_path.py with your actual Python script
                bat
                '"C:\\Users\\tanuj\\AppData\\Local\\Programs\\Python\\Python313\\python.exe"
                "D:\\Priti_Data\\AVD\\DataOps\\githubdemo2\\myjenkin1\\extract_data.py"'
            }
        }
    }
}
```

### Path gets here :

```
tanuj@Tanuj MINGW64 /d/Priti_Data/AVD/DataOps/githubdemo2/myjenkin1 (main)
$ where python
C:\Users\tanuj\AppData\Local\Programs\Python\Python313\python.exe
C:\Users\tanuj\AppData\Local\Programs\Python\Python312\python.exe
C:\Users\tanuj\AppData\Local\Microsoft\WindowsApps\python.exe
```

Add to git :

```
tanuj@Tanuj MINGW64 /d/Priti_Data/AVD/DataOps/githubdemo2/myjenkin1 (main)
$ git add .

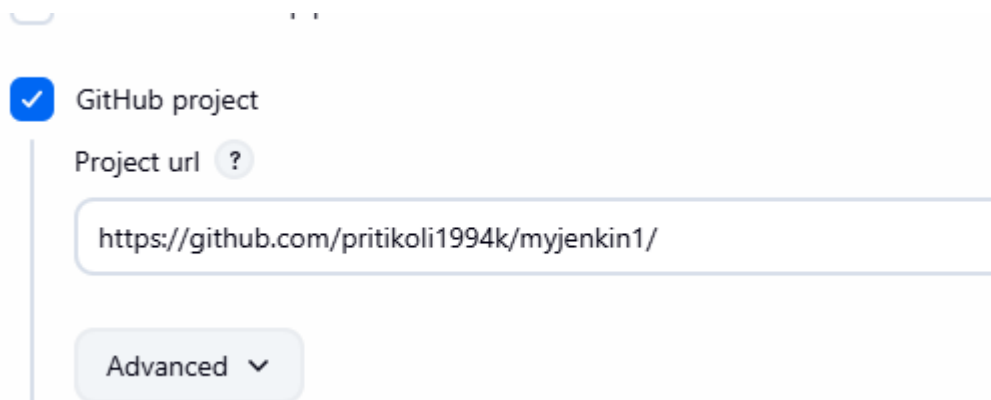
tanuj@Tanuj MINGW64 /d/Priti_Data/AVD/DataOps/githubdemo2/myjenkin1 (main)
$ git commit -m "updatedjenkin successful jenkinsfile"
[main 92eddab] updatedjenkin successful jenkinsfile
1 file changed, 9 insertions(+), 5 deletions(-)

tanuj@Tanuj MINGW64 /d/Priti_Data/AVD/DataOps/githubdemo2/myjenkin1 (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
```

#### 4. Create new item in jenkins :

#### 5. Check status → then click on configure → paste git project URL

→ [http://localhost:8080/job/extract\\_pipeline\\_1/configure](http://localhost:8080/job/extract_pipeline_1/configure)



The screenshot shows the Jenkins configuration page for a new item. The 'Project type' is set to 'GitHub project' with a checked checkbox. Below it, the 'Project url' is entered as 'https://github.com/pritikoli1994k/myjenkin1/'. There is a help icon (?) next to the 'Project url' label. At the bottom, there is an 'Advanced' button with a dropdown arrow.

Now build the pipeline → Click on build now →

#### Output:

✓ extract\_pipeline\_1

#### Stage View

This Pipeline has run successfully, but does not define any stages. Please use the `stage` step to define some stages in this Pipeline.