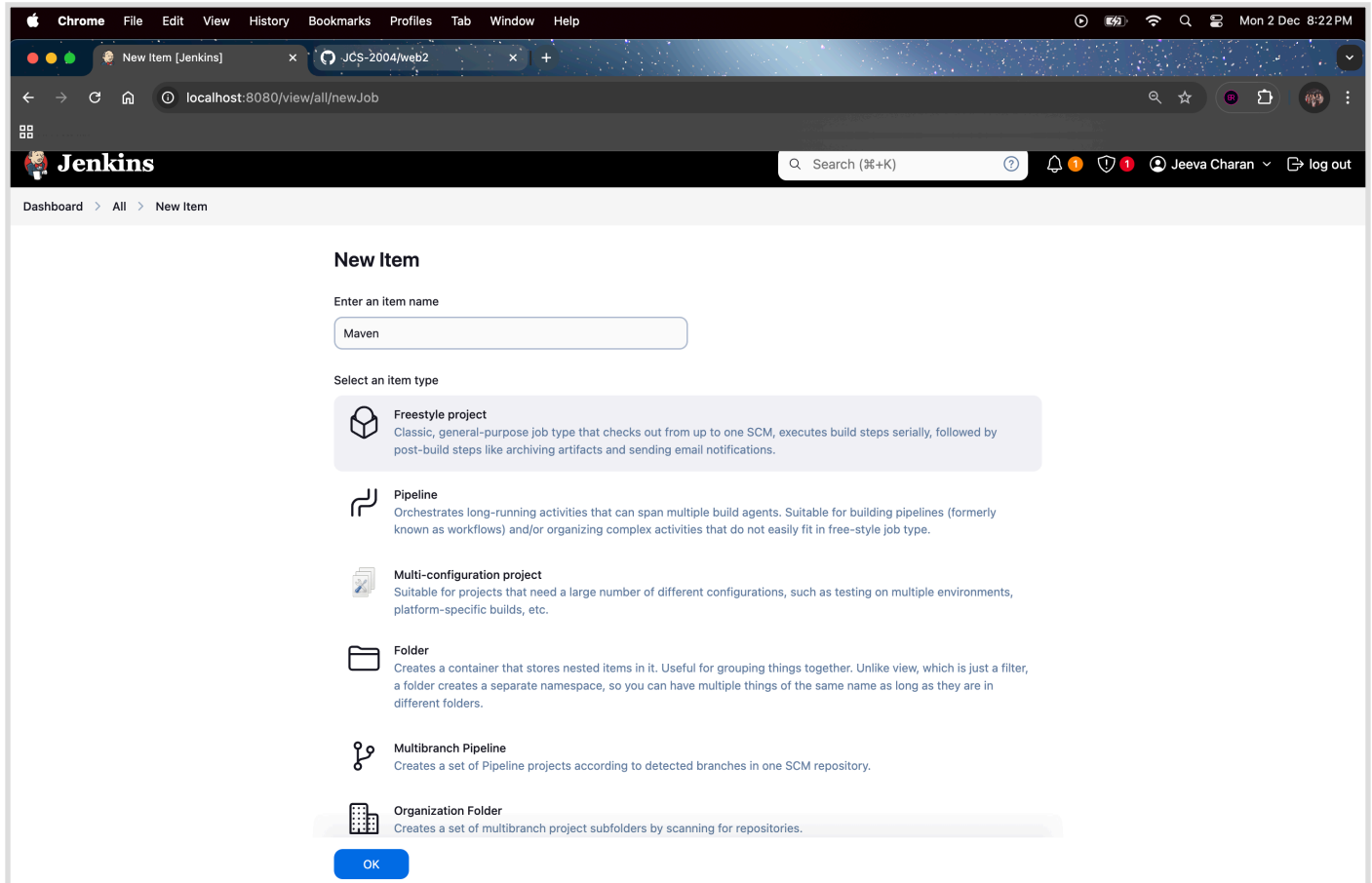# Creation of Pipeline Script and Docker Installation

## Steps for Creation of Pipeline Script:
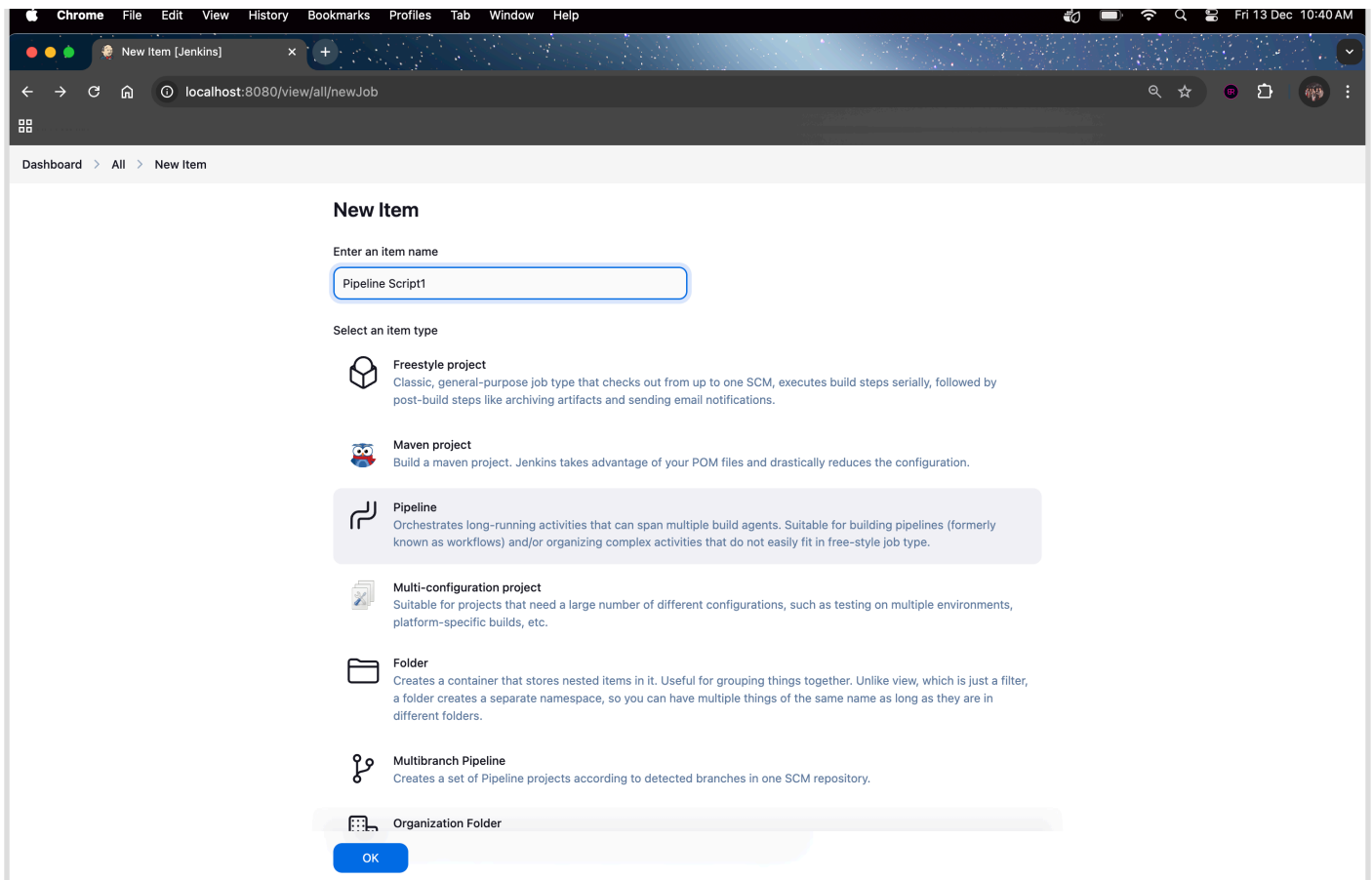
### Step 1: Open Jenkins (localhost:8080)

Click on "New Item" (left side menu)



### Step 2: Create Freestyle Project (e.g., Pipeline Script)

Enter project name (e.g., Pipeline Script)

Click "OK"

## Step 3: Advance project option:

Choose pipeline script and copy the below code and paste it.

```
pipeline {

   agent any

   tools{

      maven 'MAVEN-HOME'

   }

   stages {

      stage('git repo & clean') {

         steps {

            //bat "rmdir  /s /q mavenjava"

            bat "git clone provide your github link"

            bat "mvn clean -f mavenjava"

         }
```

```
    }
    stage('install') {
        steps {
            bat "mvn install -f mavenjava" #project name#
        }
    }
    stage('test') {
        steps {
            bat "mvn test -f mavenjava"
        }
    }
    stage('package') {
        steps {
            bat "mvn package -f mavenjava"
        }
    }
  }
}
```

**Step 4:** click Save and Apply and Run the code

Dashboard  >  Pipeline Script1  >  Configuration

# Configure

- ⚙ General
- 🔧 Advanced Project Options
- 🔀 Pipeline

**Advanced Project Options**

[ Advanced ⌄ ]

---

**Pipeline**

Definition

[ Pipeline script                                                    ⌄ ]

Script  ?                                              [ try sample Pipeline... ⌄ ]

```
16              bat "mvn install -f mavenjava" #project name#
17              }
18          }
19          stage('test') {
20              steps {
21                  bat "mvn test -f mavenjava"
22              }
23          }
24          stage('package') {
25              steps {
26                  bat "mvn package -f mavenjava"
27              }
28          }
29      }
30  }
31
```

☑ Use Groovy Sandbox  ?

**Pipeline Syntax**

[ Save ]   [ Apply ]

REST API          Jenkins 2.479.2

---

# Jenkins

Search (⌘+K)        🔔 1   ⚠ 2   👤 Jeeva Charan ⌄   🔌 log out

Dashboard >

- ＋ New Item
- 📋 Build History
- ⚙ Manage Jenkins
- 🖥 My Views

**Build Queue**   ⌃

**Build Executor Status**   0/2 ⌄

[ All ]  [ ＋ ]                                                        ✏ Add description

| S | W | Name ↓ | Last Success | Last Failure | Last Duration | |
|---|---|---|---|---|---|---|
| ❌ | 🌧 | MavenJava_Build | N/A | 9 days 19 hr  #11 | 3.2 sec | ▷ |
| … | ☀ | MavenJava_Test | N/A | N/A | N/A | ▷ |
| … | ☀ | Pipeline Script | N/A | N/A | N/A | ▷ |
| … | ☀ | Pipeline Script1 | N/A | N/A | N/A | ▷ |

Icon:  S   M   L                                                          ○○○