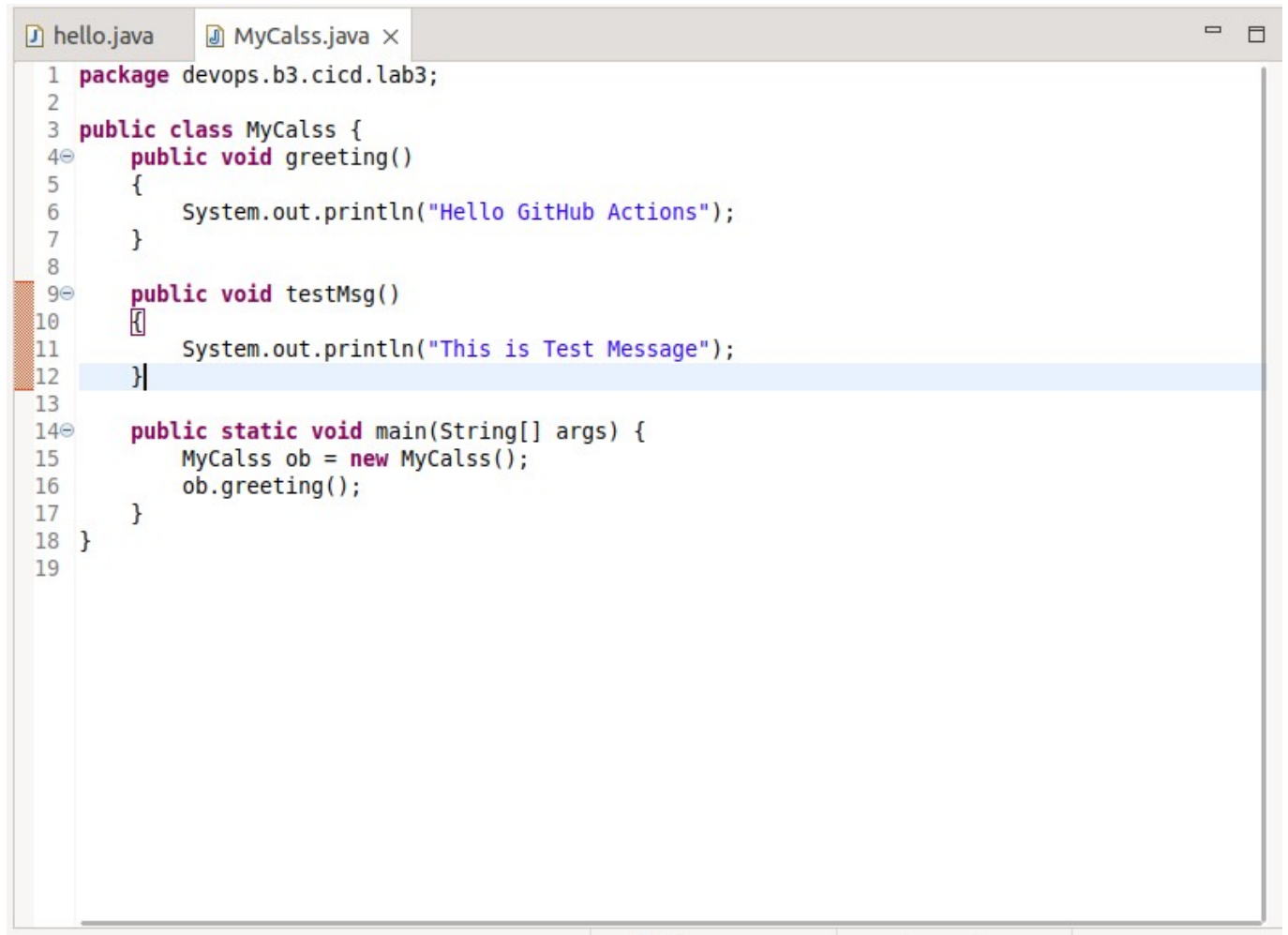


Lab-3

Maven Build Using GitHub Actions

Step1 -> Create a simple java project



```
1 package devops.b3.cicd.lab3;
2
3 public class MyCalss {
4     public void greeting()
5     {
6         System.out.println("Hello GitHub Actions");
7     }
8
9     public void testMsg()
10    {
11        System.out.println("This is Test Message");
12    }
13
14    public static void main(String[] args) {
15        MyCalss ob = new MyCalss();
16        ob.greeting();
17    }
18 }
19
```

Step 2 → Push your file on GitHub

```
arnim_taliyan@device:~/eclipse/CICD-B3-LAB3$ git add .  
arnim_taliyan@device:~/eclipse/CICD-B3-LAB3$
```

```
arnim_taliyan@device:~/eclipse/CICD-B3-LAB3$ git commit -m "cicd"  
[main 1766e33] cicd  
1 file changed, 5 insertions(+)  
arnim_taliyan@device:~/eclipse/CICD-B3-LAB3$
```

```
arnim_taliyan@device:~/eclipse/CICD-B3-LAB3$ git push --force https://github.com/ArnimTaliyan/CICD-B3-LAB3.git  
Username for 'https://github.com': ArnimTaliyan  
Password for 'https://ArnimTaliyan@github.com':  
Enumerating objects: 32, done.  
Counting objects: 100% (32/32), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (14/14), done.  
Writing objects: 100% (32/32), 3.46 KiB | 3.46 MiB/s, done.  
Total 32 (delta 3), reused 20 (delta 1), pack-reused 0  
remote: Resolving deltas: 100% (3/3), done.  
To https://github.com/ArnimTaliyan/CICD-B3-LAB3.git  
+ 40a0a6d...1766e33 main -> main (forced update)  
arnim_taliyan@device:~/eclipse/CICD-B3-LAB3$
```

Step 3 → Now create GitHub Action Flow

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CICD-B3-LAB3 / .github / workflows / maven.yml in main Cancel changes Commit changes...


Edit Preview Code 55% faster with GitHub Copilot


```
1 name: Java CI with Maven
2
3 on:
4   push:
5     branches: [ "main" ]
6   pull_request:
7     branches: [ "main" ]
8
9 jobs:
10  build:
11
12    runs-on: ubuntu-latest
13
14    steps:
15      - uses: actions/checkout@v3
16      - name: Set up JDK 17
17        uses: actions/setup-java@v3
18        with:
19          java-version: '17'
20          distribution: 'temurin'
21
22
23
```

Marketplace Documentation


Search Marketplace for Actions


Featured Actions

 **Upload a Build Artifact** ☆ 2.5k


By actions 


Upload a build artifact that can be used by subsequent workflow steps

 **Setup Java JDK** ☆ 1.2k

By actions 

Set up a specific version of the Java JDK and add the command-line tools to the PATH

 **Download a Build Artifact** ☆ 1.1k

By actions 

Download a build artifact that was previously uploaded in the workflow by the upload-artifact action

Commit changes

Commit message

Create maven.yml

Extended description

Add an optional extended description..

☒ Commit directly to the main branch

☐ Create a **new branch** for this commit and start a pull request

[Learn more about pull requests](#)

Cancel

Commit changes

Triggered via push now

ArnimTaliyan pushed  40a0a6d main

Status

Success

Total duration

29s

Artifacts

-

maven.yml

on: push

✓ build

19s

-

+

All workflows

Showing runs from all workflows

Q

Filter workflow runs

2 workflow runs				Event ▼	Status ▼	Branch ▼	Actor ▼
✓	cicd	Java CI with Maven in CICD Lab #3: Commit 1766e33 pushed by ArnimTaliyan	main			 now  24s	...
✓	Update maven.yml	Java CI with Maven in CICD Lab #2: Commit 40a0a6d pushed by ArnimTaliyan	main			 10 minutes ago  29s	...