

First exp

```
mkdir DEVOPS
```

```
cd DEVOPS
```

```
echo "<h1>This is File 1</h1>" > file1.html
```

```
echo "<h1>This is File 2</h1>" > file2.html
```

```
echo "<h1>This is File 3</h1>" > file3.html
```

```
ls
```

```
git init
```

```
git add .
```

```
git commit -m "1st commit"
```

```
git remote add origin https://github.com/TUMTUM-om/DEVOPS.git
```

```
git push origin master
```

```
git push --set-upstream origin master
```

```
git add .
```

```
git commit -m "Added 3 HTML files for DevOps Exp 1"
```

```
git clone https://github.com/TUMTUM-om/DEVOPS.git
```

2nd exp

mkdir JavaBuild

cd JavaBuild

notepad addition.java

```
public class addition {  
    public static void main(String[] args) {  
        int a = 10, b = 20;  
        int sum = a + b;  
        System.out.println("Sum: " + sum);  
    }  
}
```

<http://localhost:8080>

javac addition.java

java addition

☐ Discard old builds

☐ GitHub project

☒ This project is parameterized ?

≡ **File Parameter** ?

File location ?

addition.java

Description ?

3rd

```
git add addition.java
```

```
git commit -m "Add Java file for CI"
```

```
git push
```

✅ Step 2: Create a Jenkins Job

1. Open Jenkins → Click **New Item**
2. Name it: `Java_CI`
3. Choose **Freestyle Project** → Click OK

✅ Step 3: Configure Source Code from GitHub

1. Go to **Source Code Management** → Choose **Git**
2. In **Repository URL**, paste:

arduino

Copy

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`https://github.com/TUMTUM-om/DEVOPS.git`

3. Leave **Credentials** empty if public repo.
Otherwise, add GitHub credentials.

✅ Step 4: Set Build Trigger (Poll Every 2 Minutes)

1. Scroll to **Build Triggers**
2. Select ☒ **Poll SCM**
3. In **Schedule** box, type:

markdown

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`* / 2 * * * *`

👉 This means: run every 2 minutes if there's a change

✅ Step 5: Add Build Step to Compile Java File

In **Build** → **Add build step** → **Execute Windows batch command**:

bash

Copy

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```
javac addition.java
java addition
```

✅ Step 6: Save and Build

Click **Save**, then click **Build Now**

1. After 2 minutes, if you make a change in GitHub, Jenkins will auto-build it!
2. You can go to **Build History** → **Console Output** to view results.

✅ To Test It Live:

1. Edit your `addition.java` on GitHub (e.g., change `10 + 20` → `50 + 60`)
2. Commit directly
3. Wait 2 minutes → Jenkins will build and show updated output:

makefile

Copy

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Sum: 110