

### Devops exp exam 2 and 3

Create a repo called "Addition"

Create random folder in documents and open through Vs code editor

Name file Addition.java

```
public class Addition {  
    public static void main(String[] args) {  
        int num1 = 5;  
        int num2 = 10;  
        int sum = num1 + num2;  
        System.out.println("The sum of " + num1 + " and " +  
num2 + " is " + sum);  
    }  
}
```

Save run on compiler of vs code n check

Initialize a new Git repository in the project's root directory. Run the following commands in the terminal:

```
C:\Users\HP\Documents>cd javaexp
```

```
C:\Users\HP\Documents\javaexp>git init
```

Initialized empty Git repository in C:/Users/HP/Documents/javaexp/.git/

```
C:\Users\HP\Documents\javaexp>git add Addition.java
```

```
C:\Users\HP\Documents\javaexp>git commit -m "initial commit"
```

[master (root-commit) fe74c32] initial commit

1 file changed, 8 insertions(+)

create mode 100644 Addition.java

### Copy url

```
C:\Users\HP\Documents\javaexp>git remote add origin https://github.com/Abhilitcode/Addition.git
```

```
C:\Users\HP\Documents\javaexp>git branch
```

\* master

```
C:\Users\HP\Documents\javaexp>git branch main
```

```
C:\Users\HP\Documents\javaexp>git checkout main
```

Switched to branch 'main'

```
C:\Users\HP\Documents\javaexp>git add Addition.java
```

```
C:\Users\HP\Documents\javaexp>git commit -m "initial commit"
```

On branch main

nothing to commit, working tree clean

```
C:\Users\HP\Documents\javaexp>git push -u origin main
```

Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Delta compression using up to 4 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 368 bytes | 184.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/Abhilitcode/Addition.git

\* [new branch] main -> main

branch 'main' set up to track 'origin/main'.

Now open Jenkins once you pushed the file in repo:-

If service is off -:

Cmd pe aao

```
C:\Users\HP>cd Downloads
```

```
C:\Users\HP\Downloads>java -jar jenkins.war
```

If service is on , simply open tab and write -: <http://localhost:8080/>

Click on "New Item" on the Jenkins home page to create a new job. Name the item as Addition and select "Freestyle project".

Click on "Git" under "Source Code Management" and enter the URL of your GitHub repository. Leave the other settings at their default values.

8. <https://github.com/Abhilitcode/Addition.git>

Under "Build Triggers", select "Build periodically" and enter "\* \* \* \* \*" as the schedule. This will trigger the job to build every minute. → without " "

Now add a build step:-

You can select "Execute Windows batch command" as the build step and then enter the following commands:

```
javac Addition.java
```

```
java Addition
```

Save the job configuration and click on "Build Now" to run the job. The output of the Java program should be visible in the console output of the build.

Check console output:-



## Console Output

```
Started by user abhishek khale
Running as SYSTEM
Building in workspace C:\Users\HP\.jenkins\workspace\Addition
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\Users\HP\.jenkins\workspace\A
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/Abhilitcode/Addi
```

```
C:\Users\HP\.jenkins\workspace\Addition>javac Addition.java

C:\Users\HP\.jenkins\workspace\Addition>java Addition
The sum of 5 and 10 is 15

C:\Users\HP\.jenkins\workspace\Addition>exit 0
Finished: SUCCESS
```

Exp 3 → 2 times periodically ke liye everything same except:-

1. In the "Build Triggers" section, select "Build periodically" and enter the schedule "\* \*/2 \* \* \*". This will schedule the job to run every 2 minutes. → without " " and save and build job.