

GIT STATUS

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   src/test/java/org/devops/cicdpipeline/CicdPipelineApplicationTests.java

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    src/main/java/org/devops/cicdpipeline/controller/

no changes added to commit (use "git add" and/or "git commit -a")
```

GIT ADD & GIT STATUS

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git add .
warning: LF will be replaced by CRLF in src/test/java/org/devops/cicdpipeline/CicdPipelineApplicationTests.java.
The file will have its original line endings in your working directory

dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   docs/.~lock.GIT_HandsOn_dbasak2013.odt#
    new file:   docs/GIT_HandsOn_dbasak2013.odt
    new file:   src/main/java/org/devops/cicdpipeline/controller/Calculator.java
    new file:   src/main/java/org/devops/cicdpipeline/controller/Message.java
    modified:   src/test/java/org/devops/cicdpipeline/CicdPipelineApplicationTests.java
```

GIT COMMIT & GIT STATUS

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git commit -m "Added junit testcases"
[master afd9f97] Added junit testcases
5 files changed, 116 insertions(+)
create mode 100644 docs/.~lock.GIT_HandsOn_dbasak2013.odt#
create mode 100644 docs/GIT_HandsOn_dbasak2013.odt
create mode 100644 src/main/java/org/devops/cicdpipeline/controller/Calculator.java
create mode 100644 src/main/java/org/devops/cicdpipeline/controller/Message.java

dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

GIT PUSH

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git push -u origin master
Enumerating objects: 31, done.
Counting objects: 100% (31/31), done.
Delta compression using up to 4 threads
Compressing objects: 100% (13/13), done.
Writing objects: 100% (20/20), 8.60 KiB | 1.43 MiB/s, done.
Total 20 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/dbasak2013/cicd-pipeline.git
    32f3465..afd9f97  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

GIT LOG

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git log
commit afd9f97a08162a2bdf892dab92766226303c4b58 (HEAD -> master, origin/master)
Author: DIPANKAR BASAK <dbasak2013@gmail.com>
Date:   Tue Jul 21 15:34:54 2020 +0530

    Added junit testcases

commit 32f346553c7bd4da93572391fc20f0e28e0b6164
Author: DIPANKAR BASAK <dbasak2013@gmail.com>
Date:   Mon Jul 20 15:36:41 2020 +0530

    Initial commit
```

GIT BRANCH

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git branch
* master

dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git branch -a
* master
remotes/origin/master
```

GIT BRANCH NEW_BRANCH_NAME

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git branch feature

dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git branch
feature
* master
```

GIT PULL

```
dbasak2013@DESKTOP-PQM4JB3 MINGW64 ~/eclipse-workspace/cicd-pipeline (master)
$ git pull origin master
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 735 bytes | 5.00 KiB/s, done.
From https://github.com/dbasak2013/cicd-pipeline
 * branch          master      -> FETCH_HEAD
 97ea284..b3d8910  master      -> origin/master
Updating 97ea284..b3d8910
Fast-forward
 README.md | 4 ++++
 1 file changed, 4 insertions(+)
 create mode 100644 README.md
```

MAVEN CLEAN TEST

```
C:\Users\dbasa\eclipse-workspace\cicd-pipeline>mvnw.cmd clean test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.devops:cicd-pipeline >-----
[INFO] Building cicd-pipeline 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ cicd-pipeline ---
[INFO] Deleting C:\Users\dbasa\eclipse-workspace\cicd-pipeline\target
[INFO]
[INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @ cicd-pipeline ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ cicd-pipeline ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 3 source files to C:\Users\dbasa\eclipse-workspace\cicd-pipeline\target\classes
[INFO]
[INFO] --- maven-resources-plugin:3.1.0:testResources (default-testResources) @ cicd-pipeline ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\Users\dbasa\eclipse-workspace\cicd-pipeline\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ cicd-pipeline ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\dbasa\eclipse-workspace\cicd-pipeline\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ cicd-pipeline ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running org.devops.cicdpipeline.CicdPipelineApplicationTests
2020-07-21 16:30:04.987 INFO 9688 --- [main] o.d.c.CicdPipelineApplicationTests : Starting CicdPipelineApplicationTests on D
y dbasak2013 in C:\Users\dbasa\eclipse-workspace\cicd-pipeline)
2020-07-21 16:30:04.991 INFO 9688 --- [main] o.d.c.CicdPipelineApplicationTests : No active profile set, falling back to def
2020-07-21 16:30:08.896 INFO 9688 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationT
2020-07-21 16:30:10.136 INFO 9688 --- [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page: class path resource [
2020-07-21 16:30:11.937 INFO 9688 --- [main] o.d.c.CicdPipelineApplicationTests : Started CicdPipelineApplicationTests in 7.
Testing if multiplication is other than 100
Testing if addition is other than 20
Testing If message is not 'Hello'
Testing multiplication
Testing addition
Testing if division is other than 10
Testing If message is 'Hello, World'
Testing division
Testing remainder
Testing if remainder is other than 1
[INFO] Tests run: 11, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 12.448 s - in org.devops.cicdpipeline.CicdPipelineApplicationTests
2020-07-21 16:30:15.609 INFO 9688 --- [extShutdownHook] o.s.s.concurrent.ThreadPoolTaskExecutor : Shutting down ExecutorService 'application
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 11, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 26.290 s
[INFO] Finished at: 2020-07-21T16:30:16+05:30
[INFO] -----
```