

# DevOps

## CS457

### Virtual Hackathon-1

Submitted to:

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Submitted by:

Group\_15:

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## Task1:-----

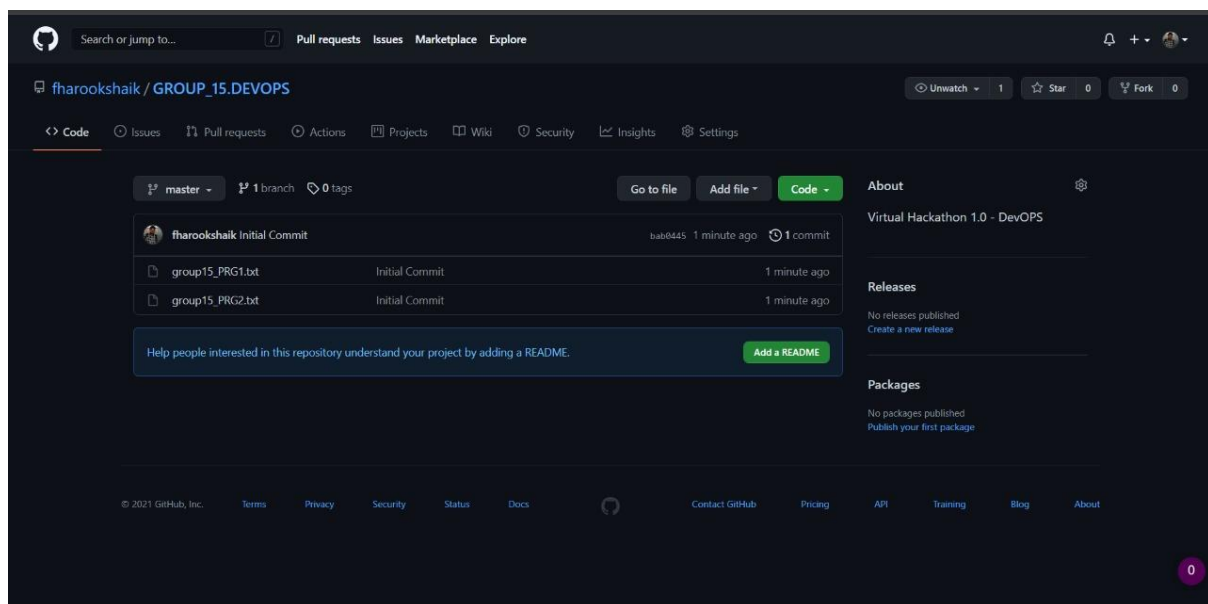
- Created a remote repository.
- Added files to remote repository.

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 04:34:26 PM]
-> git status
On branch master

No commits yet

Untracked files:
  (use "git add <file> ..." to include in what will be committed)
        group15_PRG1.txt
        group15_PRG2.txt

nothing added to commit but untracked files present (use "git add" to track)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 04:34:33 PM]
-> git add .
warning: LF will be replaced by CRLF in group15_PRG1.txt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in group15_PRG2.txt.
The file will have its original line endings in your working directory
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 04:34:37 PM]
-> git commit -m "Initial Commit"
[master (root-commit) bab0445] Initial Commit
2 files changed, 4 insertions(+)
create mode 100644 group15_PRG1.txt
create mode 100644 group15_PRG2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 04:35:18 PM]
-> git remote -v
origin  git@github.com:fharookshaik/GROUP_15.DEVOPS.git (fetch)
origin  git@github.com:fharookshaik/GROUP_15.DEVOPS.git (push)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 04:35:28 PM]
-> git push origin
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), 396 bytes | 79.00 KiB/s, done.
Writing objects: 100% (4/4), 396 bytes | 79.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:fharookshaik/GROUP_15.DEVOPS.git
 * [new branch]      master -> master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 04:35:37 PM]
-> |
```



## Task2:-----

### - Prgmr A : created branch1

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\master [Thu | 26-Aug-2021 | 04:43:10 PM]
- git checkout -b branch1
Switched to a new branch 'branch1'
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:45:07 PM]
- git branch
* branch1
master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:45:13 PM]
- git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\master [Thu | 26-Aug-2021 | 04:45:34 PM]
- git checkout branch1
Switched to branch 'branch1'
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:47:16 PM]
- git branch
* branch1
master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:47:21 PM]
- |
```

### - PrgmrA: modified prg2 from brn1 two times

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:47:58 PM]
- nano .\group15_PRG2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:49:05 PM]
- git status
On branch branch1
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:   group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:49:10 PM]
- git add .\group15_PRG2.txt
warning: LF will be replaced by CRLF in group15_PRG2.txt.
The file will have its original line endings in your working directory
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:49:19 PM]
- git commit -m "Added a new line in prg2"
[branch1 eafdc5c] Added a new line in prg2
1 file changed, 2 insertions(+)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:49:55 PM]
- nano .\group15_PRG2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:50:22 PM]
- git status
On branch branch1
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:   group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:50:27 PM]
- git add .\group15_PRG2.txt
warning: LF will be replaced by CRLF in group15_PRG2.txt.
The file will have its original line endings in your working directory
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:50:43 PM]
- git commit -m "Added a second line in prg2"
[branch1 d097747] Added a second line in prg2
1 file changed, 1 insertion(+)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:\branch1 [Thu | 26-Aug-2021 | 04:51:14 PM]
- |
```

### - Prgmr B pulled the repository from remote

```
Activities Terminal Aug 26 16:41
harsha@harsha-Lenovo-Ideapad-320-15ISK: ~/GROUP_15.DEVOPS
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ ls
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git pull origin
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 376 bytes | 4.00 KiB/s, done.
From https://github.com/fharookshaik/GROUP_15.DEVOPS
* [new branch] master -> origin/master
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ ls
group15_PRG1.txt group15_PRG2.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

## - PrgmrB modified prg2 from branch2 two times

```
harsha@harsha-Lenovo-Ideapad-320-15ISK: ~/GROUP_15.DEVOPS
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git status
On branch branch2
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:   group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git add group15_PRG2.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git commit -m "modified prgm2"
[branch2 76504e0] modified prgm2
 1 file changed, 2 insertions(+)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ gedit group15_PRG2.txt
^C
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git status
On branch branch2
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:   group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git add group15_PRG2.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git commit -m "modified again prgm2"
[branch2 1ee0434] modified again prgm2
 1 file changed, 1 insertion(+)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

## - Prgmr2 merged branch with master

```
harsha@harsha-Lenovo-Ideapad-320-15ISK: ~/GROUP_15.DEVOPS
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git log
commit 1ee04348c5c27bf272894b23af256be02f51b1e (HEAD -> branch2)
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date:   Thu Aug 26 16:55:48 2021 +0530

    modified again prgm2

commit 76504e05bca3e361c43f9a788420b4bf074681ee
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date:   Thu Aug 26 16:54:39 2021 +0530

    modified prgm2

commit bab0445109a3bfa2fbbcf5f5dc90921da95159 (origin/master, master)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date:   Thu Aug 26 16:35:16 2021 +0530

    Initial Commit

harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git merge branch2
Updating bab0445..1ee0434
Fast-forward
 group15_PRG2.txt | 3 +++
 1 file changed, 3 insertions(+)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git log
commit 1ee04348c5c27bf272894b23af256be02f51b1e (HEAD -> master, branch2)
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date:   Thu Aug 26 16:55:48 2021 +0530

    modified again prgm2

commit 76504e05bca3e361c43f9a788420b4bf074681ee
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date:   Thu Aug 26 16:54:39 2021 +0530

    modified prgm2

commit bab0445109a3bfa2fbbcf5f5dc90921da95159 (origin/master)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date:   Thu Aug 26 16:35:16 2021 +0530

    Initial Commit
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

## Prgmr A & B both deleted their branches

```
harsha@harsha-Lenovo-Ideapad-320-15ISK: ~/GROUP_15.DEVOPS
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git branch -d branch2
Deleted branch branch2 (was 1ee0434).
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git branch
* master
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

```
PowerShell
fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:03:38 PM]
- git branch -d branch1
Deleted branch branch1 (was d097747).
fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:04:42 PM]
- git branch
* master
fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:04:47 PM]
```

## - Prgmr A resolve merge conflicts

```
PowerShell
This is again a sample test file for Virtual Hackathon 1.0 DEVOPS

line added by harsha(prgrmr 2) from branch2
second line added by harsha(prgrmr 2) from branch2
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:30:14 PM]
- git status
On branch master
Your branch and 'origin/master' have diverged,
and have 2 and 2 different commits each, respectively.
(use "git pull" to merge the remote branch into yours)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Unmerged paths:
(use "git add <file> ..." to mark resolution)
both modified: group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:30:22 PM]
- git add .\group15_PRG1.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:30:27 PM]
- git add .\group15_PRG2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:30:33 PM]
- git status
On branch master
Your branch and 'origin/master' have diverged,
and have 2 and 2 different commits each, respectively.
(use "git pull" to merge the remote branch into yours)

All conflicts fixed but you are still merging.
(use "git commit" to conclude merge)

Changes to be committed:
modified: group15_PRG2.txt

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:30:36 PM]
- git commit -m "Accepting incoming changes to solve merge conflicts"
[master c972042] Accepting incoming changes to solve merge conflicts
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:30:45 PM]
- "
```

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:32:43 PM]
- git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

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: group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:32:46 PM]
- git add .
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:32:51 PM]
- git commit -m "Modified prg2 after resolving merge conflicts"
[master 570f7c5] Modified prg2 after resolving merge conflicts
1 file changed, 3 insertions(+)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:33:22 PM]
- git push origin
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 8 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 1.10 KiB | 112.00 KiB/s, done.
Total 10 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To github.com:fharookshaik/GROUP_15.DEVOPS.git
1ee0434..570f7c5 master -> master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master [Thu | 26-Aug-2021 | 05:33:31 PM]
- "
```



## Task3:-----

- Prgmr A resolving merge conflicts
- Since we're not committing any changes in the branch3 as per the docs, no merge conflicts will be occurred.
- A merge conflict situation is handled in TASK 2

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:36:28 PM]
- git checkout -b branch3
Switched to a new branch 'branch3'
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/branch3 [Thu | 26-Aug-2021 | 05:36:36 PM]
- ls

Directory: D:\fharookshaik\Documents\GitHub\GROUP_15.DEVOPS

Mode                LastWriteTime         Length Name
----                -
-a---             26-08-2021 04:21 PM             67 group15_PRG1.txt
-a---             26-08-2021 05:31 PM            286 group15_PRG2.txt

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/branch3 [Thu | 26-Aug-2021 | 05:36:38 PM]
- git branch
+ branch3
- master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/branch3 [Thu | 26-Aug-2021 | 05:36:44 PM]
- nano .\group15_PRG1.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/branch3 [Thu | 26-Aug-2021 | 05:37:13 PM]
- git checkout master
Switched to branch 'master'
M      group15_PRG1.txt
Your branch is up to date with 'origin/master'.
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:39:59 PM]
- cat .\group15_PRG1.txt
Program - 1
This is a sample test for Virtual Hackathon 1.0 DevOPS

This line is added from branch3 (fharookshaik)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:40:10 PM]
- 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:   group15_PRG1.txt

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

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/branch3 [Thu | 26-Aug-2021 | 05:54:52 PM]
- cat .\group15_PRG1.txt
Program - 1
This is a sample test for Virtual Hackathon 1.0 DevOPS

This line is added from branch3 (fharookshaik)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/branch3 [Thu | 26-Aug-2021 | 05:54:53 PM]
- git checkout master
Switched to branch 'master'
M      group15_PRG1.txt
Your branch is up to date with 'origin/master'.
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:55:02 PM]
- cat .\group15_PRG1.txt
Program - 1
This is a sample test for Virtual Hackathon 1.0 DevOPS

This line is added from branch3 (fharookshaik)
This line is added from master (fharookshaik)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:55:12 PM]
- cat .\group15_PRG1.txt
Program - 1
This is a sample test for Virtual Hackathon 1.0 DevOPS

This line is added from branch3 (fharookshaik)
This line is added from master (fharookshaik)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:55:22 PM]
- git commit -m "Modified prg1 on master branch"
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:   group15_PRG1.txt

no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:56:10 PM]
ERROR - git add .\group15_PRG1.txt
warning: LF will be replaced by CRLF in group15_PRG1.txt.
The file will have its original line endings in your working directory
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:56:22 PM]
- git commit -m "Modified prg1 on master branch"
[master 22eda7a] Modified prg1 on master branch
1 file changed, 3 insertions(+)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 05:56:24 PM]
-
```

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 B: > fharookshaik > Documents > Github > GROUP_15.DEVOPS on git::/master [Thu | 26-Aug-2021 | 06:00:52 PM]
- git log
commit 22ed37a5df526ae89b320d261ad9a5cfa2c3df08 (HEAD -> master)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:56:23 2021 +0530

    Modified prg1 on master branch

commit 570f7c50772c2aaa61886c10928aeb0985e22511 (origin/master, branch3)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:33:22 2021 +0530

    Modified prg2 after resolving merge conflicts

commit c97204228b82279eafa0173090bf04f91f277ea5
Merge: d097707 lee0434
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:30:04 2021 +0530

    Accepting incoming changes to solve merge conflicts

commit 1ee030c3c27bf72204b23af204ae020f5b1e
Author: harsha-vardhan-vytla <harshavytla@gmail.com>
Date: Thu Aug 26 16:55:48 2021 +0530

    modified again prgm2

commit 7650ae05bca3e361c43f9a788420b0bf074681ee
Author: harsha-vardhan-vytla <harshavytla@gmail.com>
Date: Thu Aug 26 16:54:39 2021 +0530

    modified prgm2

commit d09770721079af50ba307b30104ef0efdc0d53
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 16:51:14 2021 +0530

    Added a second line in prg2

commit eafdc5c007149fff8fab3202593b7cf6df5e150
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 16:49:55 2021 +0530

    Added a new line in prg2

commit bab00451092abfa27b0cf5fcd5c90921de05159
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 16:35:16 2021 +0530

    Initial Commit

# fharookshaik in fharookshaik-Dell-G3-3579 B: > fharookshaik > Documents > Github > GROUP_15.DEVOPS on git::/master [Thu | 26-Aug-2021 | 06:00:57 PM]
```

## Task4:-----

### Prgmr2 before pulling origin

```
harsha@harsha-Lenovo-Ideapad-320-15ISK: ~/GROUP_15.DEVOPS
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git log
commit 1ee04348c5c27bf272894b23af256be020f51b1e (HEAD -> master, origin/master)
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date: Thu Aug 26 16:55:48 2021 +0530

    modified again prgn2

commit 76504e05bca3e361c43f9a788420b4bf074681ee
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date: Thu Aug 26 16:54:39 2021 +0530

    modified prgn2

commit bab0445109a3bfa2fbbcf5fdc5dc90921da95159
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 16:35:16 2021 +0530

    Initial Commit
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

### Prgmr2 after pulling origin

```
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git pull origin
remote: Enumerating objects: 19, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 13 (delta 3), reused 13 (delta 3), pack-reused 0
Unpacking objects: 100% (13/13), 1.44 KiB | 491.00 KiB/s, done.
From https://github.com/fharookshaik/GROUP_15.DEVOPS
  1ee0434..22eda7a  master    -> origin/master
Updating 1ee0434..22eda7a
Fast-forward
 group15_PRC1.txt | 3 +++
 group15_PRC2.txt | 3 +++
 2 files changed, 6 insertions(+)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git log
commit 22eda7aadf526ac89b320d261ad9a5cfa2c3df48 (HEAD -> master, origin/master)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:56:23 2021 +0530

    Modified prg1 on master branch

commit 570f7c54772c2aaa61880c14928aeb4985e22511
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:33:22 2021 +0530

    Modified prg2 after resolving merge conflicts

commit c97204228b82279eafa81730990bf04f91f277ea5
Merge: d097747 1ee0434
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:30:44 2021 +0530

    Accepting incoming changes to solve merge conflicts

commit 1ee04348c5c27bf272894b23af256be020f51b1e
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date: Thu Aug 26 16:55:48 2021 +0530

    modified again prgn2

commit 76504e05bca3e361c43f9a788420b4bf074681ee
Author: harsha-varadhan-vytla <harshasvytla@gmail.com>
Date: Thu Aug 26 16:54:39 2021 +0530

    modified prgn2

commit d097747721479ef584a367b28196df96fcdcd8d33
```



# High priority bug fix

```
harsha@harsha-Lenovo-Ideapad-320-15ISK: ~/GROUP_15.DEVOPS
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ gedit group15_PRC2.txt
^C
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git stash
Saved working directory and index state WIP on master: 22eda7a Modified prg1 on master branch
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git checkout branch3
error: pathspec 'branch3' did not match any file(s) known to git
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git checkout -b branch3
Switched to a new branch 'branch3'
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ gedit group15_PRC3.txt
^C
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git status
On branch branch3
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    group15_PRC3.txt

nothing added to commit but untracked files present (use "git add" to track)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git add group15_PRC3.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git commit -n "bug fix"
[branch3 d1a6ffe] bug fix
1 file changed, 1 insertion(+)
create mode 100644 group15_PRC3.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git push origin branch3
Username for 'https://github.com': harsha-varadhan-vytla
Password for 'https://harsha-varadhan-vytla@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 358 bytes | 358.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'branch3' on GitHub by visiting:
remote:   https://github.com/fharookshatk/GROUP_15.DEVOPS/pull/new/branch3
remote:
To https://github.com/fharookshatk/GROUP_15.DEVOPS.git
 * [new branch]      branch3 -> branch3
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

# After bug fix

```
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git stash pop
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:   group15_PRC2.txt

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (99aafcfaab23eef89a40be020603982be9290b7)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ gedit group15_PRC2.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git add group15_PRC2.txt
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git commit -n "after bug fix"
[master cddb4af] after bug fix
1 file changed, 5 insertions(+), 1 deletion(-)
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$ git push origin
Username for 'https://github.com': harsha-varadhan-vytla
Password for 'https://harsha-varadhan-vytla@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 368 bytes | 368.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/fharookshatk/GROUP_15.DEVOPS.git
 22eda7a..cddb4af master -> master
harsha@harsha-Lenovo-Ideapad-320-15ISK:~/GROUP_15.DEVOPS$
```

# Task5:-----

## before merge

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- git status
On branch branch2
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:   group15_PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- git add .
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- git status
On branch branch2
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   group15_PRG2.txt

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- git commit -m "modified prg2 TASK 5"
[branch2 c3a999d] modified prg2 TASK 5
1 file changed, 2 insertions(+)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- git status
On branch branch2
nothing to commit, working tree clean
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- ls

Directory: D:\fharookshaik\Documents\GitHub\GROUP_15.DEVOPS

Mode                LastWriteTime         Length Name
----                -
-a---             26-08-2021 05:55 PM             160 group15_PRG1.txt
-a---             26-08-2021 06:23 PM             481 group15_pr2.txt
```

## after merge & push origin

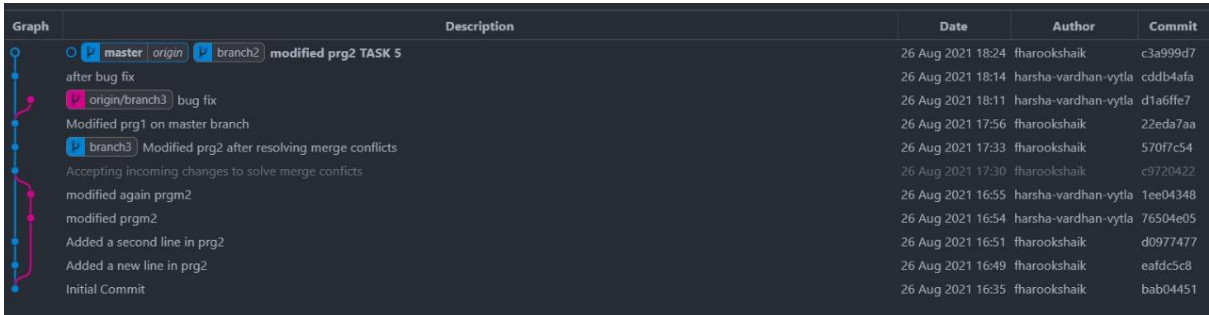
```
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- ls

Directory: D:\fharookshaik\Documents\GitHub\GROUP_15.DEVOPS

Mode                LastWriteTime         Length Name
----                -
-a---             26-08-2021 05:55 PM             160 group15_PRG1.txt
-a---             26-08-2021 06:23 PM             481 group15_pr2.txt

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:branch2
- git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master
- git merge branch2
Updating cddb4af..c3a999d
Fast-forward
 group15_PRG2.txt | 2 ++
1 file changed, 2 insertions(+)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master
- git push origin
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 411 bytes | 411.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:fharookshaik/GROUP_15.DEVOPS.git
 cddb4af..c3a999d master -> master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:master
- |
```

## Visualizing



## Task6:-----

### - Prgmr A committed the typographic errors in prg2.txt

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:41:44 PM]
- cat .\group15_PRG2.txt
Program 2
This is again a sample test file for Virtual Hackathon 1.0 DevOPS
line added by harsha(prgrmr 2) from branch2
second line added by harsha(prgrmr 2) from branch2
This first line is added from branch1 (fharookshaik)
This second line is added from branch2 (fharookshaik)
added this line for task4(before bug fix)
this line added after bugfix
This line added in respect of TASK 5 (fharookshaik)
This line added after changing the filename to group15_prg2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:41:51 PM]
- 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:   group15_PRG2.txt
no changes added to commit (use "git add" and/or "git commit -a")
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:42:17 PM]
- cat .\group15_PRG2.txt
Program 2
This is again a sample test file for Virtual Hackathon 1.0 DevOPS
line added by harsha(prgrmr 2) from branch2
second line added by harsha(prgrmr 2) from branch2
This first line is added from branch1 (fharookshaik)
This second line is added from branch2 (fharookshaik)
added this line for task4(before bug fix)
this line added after bugfix
This line added in respect of TASK 5 (fharookshaik)
This line added after changing the filename to group15_prg2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:42:22 PM]
- |
```

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:42:54 PM]
- git add .\group15_PRG2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:42:59 PM]
- 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)
    modified:   group15_PRG2.txt
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:43:03 PM]
- git commit -m "Corrected typo errors in prg2"
[master 3f24770] Corrected typo errors in prg2
1 file changed, 1 insertion(+), 1 deletion(-)
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:/master [Thu | 26-Aug-2021 | 06:43:28 PM]
- git log
commit 3f24770e89ae06cec6585231564ec55119b8e90c (HEAD -> master)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 18:43:28 2021 +0530
    Corrected typo errors in prg2
commit c3a999d7a99bc0ff5383d66578e18337c91f6036 (origin/master, branch2)
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 18:24:15 2021 +0530
    modified prg2 TASK 5
commit cddb4afa55715c8b85bac2e647e85d13c1c492a9
Author: harsha--vardhan-vytla <harshasvytla@gmail.com>
Date: Thu Aug 26 18:14:39 2021 +0530
    after bug fix
commit 22eda7aadf526ac89b320d261ad9a5cfa2c3df48
Author: fharookshaik <fharookshaik.5@gmail.com>
Date: Thu Aug 26 17:56:23 2021 +0530
    Modified prg1 on master branch
commit 570f7c54772c2aaa61880c14928aeb4985e22511 (branch3)
```

## Task7:-----

- Prgmr A merging all the branches to master/main and deleting all the branched except branch3(hot bug fix)

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~master [Thu | 26-Aug-2021 | 06:45:09 PM]
- git branch
  branch2
  branch3
  * master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~master [Thu | 26-Aug-2021 | 06:45:50 PM]
- git branch -d branch2
Deleted branch branch2 (was c3a999d).
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~master [Thu | 26-Aug-2021 | 06:46:40 PM]
- git branch
  branch3
  * master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~master [Thu | 26-Aug-2021 | 06:46:43 PM]
- git push origin
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 321 bytes | 321.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:fharookshaik/GROUP_15.DEVOPS.git
   c3a999d..3f24770  master -> master
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~master [Thu | 26-Aug-2021 | 06:46:53 PM]
- |
```

## Task8:-----

```
PowerShell
# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~/master [Thu | 26-Aug-2021 | 07:03:19 PM]
- 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:   README.md

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~/master [Thu | 26-Aug-2021 | 07:03:23 PM]
- git commit -m "Added readme"
[master 86ealb4] Added readme
1 file changed, 4 insertions(+)
create mode 100644 README.md

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~/master [Thu | 26-Aug-2021 | 07:03:34 PM]
- git push origin
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 402 bytes | 402.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:fharookshaik/GROUP_15.DEVOPS.git
 3f24770..86ealb4 master -> master

# fharookshaik in fharookshaik-Dell-G3-3579 D: > fharookshaik > Documents > GitHub > GROUP_15.DEVOPS on git:~/master [Thu | 26-Aug-2021 | 07:03:42 PM]
- |
```

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master

Commits on Aug 26, 2021

Corrected typo errors in prg2

fharookshaik committed 5 minutes ago

3f24770

<>

modified prg2 TASK 5

fharookshaik committed 25 minutes ago

c3a999d

<>

after bug fix

harsha-varadhan-vytla committed 34 minutes ago

cdb84af

<>

Modified prg1 on master branch

fharookshaik committed 1 hour ago

22eda7a

<>

Modified prg2 after resolving merge conflicts

fharookshaik committed 1 hour ago

570f7c5

<>

Accepting incoming changes to solve merge conflicts

fharookshaik committed 1 hour ago

c972842

<>

modified again prgm2

harsha-varadhan-vytla committed 2 hours ago

1ee0434

<>

modified prgm2

harsha-varadhan-vytla committed 2 hours ago

76504e0

<>

Added a second line in prg2

fharookshaik committed 2 hours ago

d097747

<>

Added a new line in prg2

fharookshaik committed 2 hours ago

ea4dc5c

<>

Initial Commit

fharookshaik committed 2 hours ago

bab06d5

<>

Newer

Older

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~THE-END~



