

Step 1: Created SSH Key

```

Ishtiaque@DESKTOP-EI5V1GK MINGW64 /d/Projects
$ ssh-keygen -o -t rsa -C "ishtiaque22@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Ishtiaque/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Ishtiaque/.ssh/id_rsa
Your public key has been saved in /c/Users/Ishtiaque/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:5PYTqcdgANWIHqhg/KttybNT86nzz7w1oaQFqr3bhiw ishtiaque22@gmail.com
The key's randomart image is:
+---[RSA 3072]-----+
| . . . o o |
| o . o . . |
| . . . . . |
| .. .. + . . |
| . . . S + |
| . oo+.= + |
| + oE=oo.o. . |
| . B o ++o.o= |
| ..+.+++++ +. |
+---[SHA256]-----+

```

Step 2: Cloned Repo using SSH

```
MINGW64/d/Projects/bjet13_group_2

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects
$ git clone git@github.com:SahebRana/bjet13_group_2.git
Cloning into 'bjet13_group_2'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

Step 3: Created Task 3 Branch

```
tshtiaqe@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (development)
$ git checkout -b task3branch
Switched to a new branch 'task3branch'

tshtiaqe@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git push
fatal: The current branch task3branch has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin task3branch

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
```

Step 4: Added changes, pulled branch, attempted merge.

```
Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git add .

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git status
On branch task3branch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git commit
Aborting commit due to empty commit message.

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git commit -m "Task 3: Getting Started"
[task3branch 7e7bec6] Task 3: Getting Started
 1 file changed, 29 insertions(+), 1 deletion(-)

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git checkout development
Switched to branch 'development'
Your branch is up to date with 'origin/development'.

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (development)
$ git pull
```

```
Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git merge development
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.
```

Step 5: Resolved Conflict and pushed merge.

```
Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch|MERGING)
$ git add .

Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch|MERGING)
$ git merge --continue
[task3branch d776e6d] Merge branch 'development' into task3branch
```

```
Ishtiag@DESKTOP-EI5V1GK MINGW64 /d/Projects/bjet13_group_2 (task3branch)
$ git push --set-upstream origin task3branch

Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 991 bytes | 991.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'task3branch' on GitHub by visiting:
remote:   https://github.com/SahebRana/bjet13_group_2/pull/new/task3branch
remote:
To github.com:SahebRana/bjet13_group_2.git
 * [new branch]      task3branch -> task3branch
branch 'task3branch' set up to track 'origin/task3branch'.
```