

Git and Github Practical exam

Golam Rabbi

ID:006

1. Repository cloning:

```
D:\github_prac\bjet13-group1>git clone git@github.com:ahmad-saki/bjet13-group1.git
```

2. Pull the development branch

```
DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch)
$ git add .

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch)
$ git commit -m"updated task 4"
[task4branch 8d6d7e1] updated task 4
1 file changed, 20 insertions(+), 1 deletion(-)

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch)
$ git pull origin development
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 916 bytes | 101.00 KiB/s, done.
```

3. Local Branch Name: **task4branch**

```
DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task1branch)
$ git checkout -b task4branch
Switched to a new branch 'task4branch'
```

5. Commit and push

```
DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch)
$ git checkout development
Switched to branch 'development'
Your branch is behind 'origin/development' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (development)
$ git pull origin development
remote: Enumerating objects: 36, done.
remote: Counting objects: 100% (36/36), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 32 (delta 10), reused 25 (delta 8), pack-reused 0
Unpacking objects: 100% (32/32), 6.10 KiB | 52.00 KiB/s, done.
From github.com:ahmad-saki/bjet13-group1
 * branch                development -> FETCH_HEAD
   b369d95..d4f6639      development -> origin/development
Updating be67e1e..d4f6639
Fast-forward
 README.md | 70 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 69 insertions(+), 1 deletion(-)

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (development)
$ git checkout -b rescon
Switched to a new branch 'rescon'
```

6. Merge conflict consequences and Conflict resolution

```
DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (rescon)
$ git status
On branch rescon
nothing to commit, working tree clean

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (rescon)
$ git checkout task4branch
Switched to branch 'task4branch'

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch)
$ git merge rescon
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch|MERGING)
$ git status
On branch task4branch
nothing to commit, working tree clean

DCL@Rabbi MINGW64 /d/github_prac/bjet13-group1 (task4branch)
$ git push origin task4branch
Enumerating objects: 16, done.
Counting objects: 100% (16/16), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (10/10), 1.41 KiB | 1.41 MiB/s, done.
Total 10 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
remote:
remote: Create a pull request for 'task4branch' on GitHub by visiting:
remote:   https://github.com/ahmad-saki/bjet13-group1/pull/new/task4branch
remote:
To github.com:ahmad-saki/bjet13-group1.git
 * [new branch]      task4branch -> task4branch
```