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Batch 3 – DevOps

Lab 1.1

Activities Terminal Aug 18 13:04
utkarsh@utkarsh-VirtualBox: ~/lab1

```
Hint: git config --global init.defaultBranch <name>
Hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
Hint: 'development'. The just-created branch can be renamed via this command:
Hint:
Hint: git branch -m <name>
Initialized empty Git repository in /home/utkarsh/lab1/.git/
utkarsh@utkarsh-VirtualBox:~/lab1$ echo "first file"
first file
utkarsh@utkarsh-VirtualBox:~/lab1$ echo "my first project" >>labfile
utkarsh@utkarsh-VirtualBox:~/lab1$ git add labfile
utkarsh@utkarsh-VirtualBox:~/lab1$ git commit -m "initial commit"
Author identity unknown

*** Please tell me who you are.

Run
git config --global user.email "you@example.com"
git config --global user.name "Your Name"
to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'utkarsh@utkarsh-VirtualBox.(none)')
utkarsh@utkarsh-VirtualBox:~/lab1$ git config --global user.email "utkarshrawat@gmail.com"
utkarsh@utkarsh-VirtualBox:~/lab1$ git config --global user.name "utkar-shh"
utkarsh@utkarsh-VirtualBox:~/lab1$ git commit -m "Initial commit"
[master (root-commit) a35d223] Initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 labfile
utkarsh@utkarsh-VirtualBox:~/lab1$ git remote add origin https://github.com/utkar-shh/devops-lab-1
utkarsh@utkarsh-VirtualBox:~/lab1$ git branch -M main
utkarsh@utkarsh-VirtualBox:~/lab1$ git push -u origin main
Username for 'https://github.com': utkar-shh
Password for 'https://utkar-shh@github.com':
remote: Invalid username or token. Password authentication is not supported for Git operations.
fatal: Authentication failed for 'https://github.com/utkar-shh/devops-lab-1/'
utkarsh@utkarsh-VirtualBox:~/lab1$
```

The screenshot shows a Linux desktop environment with a terminal window open. The terminal window title is "Terminal" and the user is "utkarsh@utkarsh-VirtualBox". The terminal output is as follows:

```
Activities Terminal Aug 18 22:38
utkarsh@utkarsh-VirtualBox ~
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
utkarsh@utkarsh-VirtualBox: ~$ git push -u origin main
Username for 'https://github.com': utkar-shh
Password for 'https://utkar-shh@github.com':
To https://github.com/utkar-shh/devops-lab-1
 * [new branch]      main        -> main (fetch first)
error: failed to push some refs to 'https://github.com/utkar-shh/devops-lab-1'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
utkarsh@utkarsh-VirtualBox: ~$ git status
On branch main
nothing to commit, working tree clean
utkarsh@utkarsh-VirtualBox: ~$ git push --help
utkarsh@utkarsh-VirtualBox: ~$ git branch newbranch
utkarsh@utkarsh-VirtualBox: ~$ git switch newbranch
Switched to branch 'newbranch'
utkarsh@utkarsh-VirtualBox: ~$ git push -u origin newbranch
Username for 'https://github.com': utkar-shh
Password for 'https://utkar-shh@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 230 bytes | 230.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'newbranch' on GitHub by visiting:
remote:   https://github.com/utkar-shh/devops-lab-1/pull/new/newbranch
remote:
To https://github.com/utkar-shh/devops-lab-1
 * [new branch]      newbranch -> newbranch
Branch 'newbranch' set up to track remote branch 'newbranch' from 'origin'.
utkarsh@utkarsh-VirtualBox: ~$ ls
labfile
utkarsh@utkarsh-VirtualBox: ~$ 
utkarsh@utkarsh-VirtualBox: ~$ cd ..
utkarsh@utkarsh-VirtualBox: ~$ ls
Desktop Documents Downloads Music Pictures Public Public Templates Videos
utkarsh@utkarsh-VirtualBox: ~$
```

Lab 1.2

Activities Terminal Aug 26 22:52

```
utkarsh@utkarsh-VirtualBox: ~ /lab2
utkarsh@utkarsh-VirtualBox: $ git init lab2
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk', and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/utkarsh/lab2/.git/
utkarsh@utkarsh-VirtualBox: $ cd lab2
utkarsh@utkarsh-VirtualBox: ~/lab2 $ echo "line1" > file.txt
utkarsh@utkarsh-VirtualBox: ~/lab2 $ git add file.txt
utkarsh@utkarsh-VirtualBox: ~/lab2 $ git commit -m "initial commit:add file.txt with line 1"
[master (root-commit) d7a5cf5] initial commit:add file.txt with line 1
1 file changed, 1 insertion(+)
create mode 100644 file.txt
utkarsh@utkarsh-VirtualBox: ~/lab2 $ echo "line 2" >> file.txt
utkarsh@utkarsh-VirtualBox: ~/lab2 $ git commit -am "add line 2 to file.txt"
[master ecab948] add line 2 to file.txt
1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox: ~/lab2 $ git log --oneline
ecab948 add line 2 to file.txt
d7a5cf5 initial commit:add file.txt with line 1
utkarsh@utkarsh-VirtualBox: ~/lab2 $ git revert HEAD
[master 47e1877] Revert "add line 3 to file.txt"
1 file changed, 1 deletion(-)
utkarsh@utkarsh-VirtualBox: ~/lab2 $ cat file.txt
line1
line 2
utkarsh@utkarsh-VirtualBox: ~/lab2 $
```