**----New Local Git Repository from Git Bash----**

///setup username and email

git config --global user.name "Firstname Lastname"

git config --global user.email "your\_email@youremail.com"

//create folder

mkdir main

//change into it

cd main

//initialize git

git init

//creates a new branch called main to work in.

//set origin to main which is tracking master

//creates a folder called Web

git clone -b main git@github.com:lynda-com/Web.git

//get latest to make sure everything is working as expected.

git pull origin main

**--Feature Branch--**

//creates a new branch called ap-test off of the main branch

git checkout -b ap-test main

//see if new branch shows up

git branch

//make a sample file

touch Readme

//add sample file

git add Readme

//check to see if its added

git status

//commit some changes

git commit -m "first commit"

//check to see if its committed.

git log

//push branch to main on github

git push origin ap-test

**--Merge to Demo—**

//make sure you are fully committed on your feature branch first

//change to demo branch locally

git checkout env\_demo

//get latest updates

git pull origin env\_demo

//merge your feature branch to demo

git merge ap-test

//check to see if all is good

git status

//push up changes

git push origin env\_demo

**--Merge to Integration** (peer code review)**--**

//submit pull request to env\_integration (on left) from ap-test (on right)

//add message

//title should be environment-team-update (example: env\_integration-ap-my account)

**--Merge to Stage** (senior stage review)**--**

//submit pull request to env\_stage (on left) from ap-test (on right)

//add message

//title should be environment-team-update (example: env\_stage-ap-my account)

**--Every Morning--**

//pull most recent changes to feature branch

git pull origin main

**Git Bash.rc File(C:\Users\username\.bash.rc)**

**Alias’s (add to .bash.rc file)**

alias gr='git remote'

alias gl="git log --pretty=format:\"%Creset%h : %cd [%cr] : %Cgreen%s %C(yellow)(%cn)%Creset\" --date=short"

alias lg="git log --graph --pretty=format:'%Cred%h%Creset -%C(yellow)%d%Creset %s %Cgreen(%cr) %C(bold blue)<%an>%Creset' --abbrev-commit --date=relative"

alias up='git pull origin'

alias ga='git add'

alias gp='git push'

alias gs='git status'

alias gd='git diff'

alias gdc='git diff --cached'

alias gm='git commit -m'

alias gma='git commit -am'

alias gb='git branch'

alias gc='git checkout'

alias gra='git remote add'

alias grr='git remote rm'

alias gpu='git pull'

alias gcl='git clone'

**Setting home directory (add to .bash.rc file)**

home() { cd ../../Repositories/main/Web ; }

home

**Git Config File (C:\Users\username\.gitconfig)**

//Using p4force merge as “git mergetool” default. (add to bottom of file)

[diff]

tool = p4merge

[difftool "p4merge"]

cmd = "p4merge.exe $LOCAL $REMOTE"

[merge]

tool = p4merge

[mergetool "p4merge"]

cmd = "p4merge.exe $BASE $LOCAL $REMOTE $MERGED"

trustExitCode = true

keepBackup = false