Contents

[Basic operations 1](#_Toc185066279)

[Configure git with your username and email 1](#_Toc185066280)

[Clone a remote repo to local system 1](#_Toc185066281)

[Check the workarea status 1](#_Toc185066282)

[Commit a change to local repo 2](#_Toc185066283)

[List the commit history of a repository 2](#_Toc185066284)

[Check details of a particular commit 2](#_Toc185066285)

[Branches 2](#_Toc185066286)

[Other commands 2](#_Toc185066287)

[Preserve current WA changes to make WA clean 2](#_Toc185066288)

[List stash 2](#_Toc185066289)

[Reset 3](#_Toc185066290)

[Reset Staging area 3](#_Toc185066291)

[Reset staging AND Workarea changes 3](#_Toc185066292)

[Github 3](#_Toc185066293)

[Create a new repository 3](#_Toc185066294)

Git Notes

# Basic operations

## Configure git with your username and email

git config --global user.email "amit@upshiftnow.com"

git config --global user.name "Amit K"

## Clone a remote repo to local system

git clone repository-url

e.g.

git clone <https://github.com/upshiftnow/simple-java-maven-app>

## Check the workarea status

git status

## Commit a change to local repo

edit a file (e.g. pom.xml)

git add pom.xml

git commit

this will open an editor (probably nano). Add the commit message and save (Ctrl+X -> ‘Y’ -> Enter)

## List the commit history of a repository

git log

git log --oneline

## Check details of a particular commit

git show commit-id

e.g.:

git show 3744ae5e2441ddb5ece3c37fd245e168f57d12d0

git show 3744ae5

git show 3744ae5e2441ddb5e

# Branches

Create a branch

git branch f1

switch workarea to new branch

git checkout f1

git checkout main

# Other commands

switch workarea to point to a specific commit

git checkout b9c549a

## Preserve current WA changes to make WA clean

git stash

### List stash

git stash list

## Reset

### Reset Staging area

git reset

### Reset staging AND Workarea changes

git reset --hard

# Github

## Create a new repository

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated