# concepts

### What is the purpose of git branch?

### List, create, or delete branches

### What is master?

### A default branch that is created for you when initializing a repository

# Usage

### How do you branch in git?

### git branch foo

### 

### How do you list all available branches?

### git branch

### 

Branch from a specific historic commit

git branch branchname commit-name

example git branch foo 7b628e

### 

### How do you determine what branch you are using?

### git branch and note which entry has a \* next to it.

### 

### 

### How do you delete a branch?

### git branch -d foo

### -d ensures the branch has been merged before proceeding with the deletion...to override this protection, use -D

Show remote branches

git branch -r

delete remote tracking branch

git branch -rd origin/wip/split-gmp

delete remote branch

git push origin :refs/heads/issue1

list all branches containing a commit

git branch --contains [commit]