



## Git Cheatsheet

### Common Commands

git init (creates a new repo in the current directory)  
git init --shared --bare - create a repo on a share

#### Checkin

git add . (add's all unstaged files to staging)  
git commit -m "Message" (commits all unstaged files)

#### **Checkin all changes to tracked files**

git commit -am "Message"

#### Mistakes

git checkout -f (undo local changes)  
git reset HEAD - points the head to a previous commit, removing all commits in-between  
git revert HEAD - resets the HEAD to the last commit and reverses everything from the previous commit. It also adds a commit which details the stuff removed, etc.

### Configuration

git config --global user.name (sets your username)  
git config --global user.email (sets your email)  
git config --core.editor (sets your preferred text editor. We suggest "write" - notepad)

### Branching

git checkout -b branchname (creates a branch and switches to it)  
git branch branchname (creates a branch)

### Viewing History

gitk (brings up the repo viewer for the current branch)  
gitk --all (brings up the repo viewer for all branches)

### Diff/Merge tools (add to .gitconfig)

This section assumes p4Merge which you can get from Perforce.com for free. Add your favorite below as needed, and make sure to order the arguments as needed.

```
[diff]
```

```
external = "c:/users/username/difftool.sh"
```

```
[merge]
```

```
tool = p4merge
```

```
[mergetool "p4merge"]
```

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

## **Difftool.sh**

```
#!/bin/sh
```

```
p4merge "$2" "$5"
```

## **Standard Git Ignore**

```
*resharper.user
```

```
[Dd]ebug/
```

```
[Rr]elease/
```

```
build/
```

```
[Bb]in/
```

```
[Oo]bj/
```

```
*.suo
```

```
*.sln.cache
```

```
_ReSharper.*/
```

```
AssemblyInfo.cs
```

```
*.user
```