Practice with Version Control

CSC131 The Beauty & Joy of Computing

30 August 2018

Look on the Web to find a tutorial or reference for the Mercurial distributed version control software. Take a few minutes to acquaint yourself with the main ideas.

Next, log in on our server. Try these commands. Learn what each command does.

Write notes on this handout to remind yourself of what you are accomplishing at each step.

```
cd
mkdir practice
cd practice
pwd
mkdir wisdom
cd wisdom
pwd

hg init
hg log
hg status
ls

touch quotations.txt
ls
hg status
hg add quotations.txt
hg status
hg commit -m "begin project"
hg status
hg log

echo "An algorithm must be seen to be believed." >> quotations.txt
more quotations.txt
```

```
hg status
hg commit -m "add quotation by Donald Knuth"

echo "How does a project get to be a year late? " >> quotations.txt
echo "One day at a time." >> quotations.txt
more quotations.txt
hg status
hg commit -m "add quotation by Fred Brooks"

echo "Beauty is the ultimate defense against complexity." >> quotations.txt
more quotations.txt
hg commit -m "add quotation by David Gelernter"
hg status
hg log

hg update 2
more quotations.txt
hg log
hg update 3
more quotations.txt
hg log
hg update 1
more quotations.txt
hg log
hg update
more quotations.txt

cd
pwd
mkdir perfection
cd perfection
hg clone ../practice/wisdom

cd wisdom
echo "What you learn from others you can use to follow." >> quotations.txt
echo "What you learn from yourself you can use to lead." >> quotations.txt
hg commit -m "add quotation from Richard Hamming"
more quotations.txt

cd
cd practice/wisdom
hg pull ../../perfection/wisdom
hg update
more quotations.txt
```