



Feedback on Quiz 2

Responsibilities of a Scrum Master

Some key ones:

- Facilitate release planning
- Ensure team has resources they need
- Remove impediments, protect team from distractions

Not:

Assign tasks to team - *agile teams are self-organizing*

Assign priorities - *product owner & dev team do it*

Why Command Line Matters

Cloud Deployment & DevOps

1. A **remote shell** (**ssh**) may be your only interface to the server.
2. Cloud service may expect a "**script**" to install and configure software, initialize database, and start your application.
 - script consists of commands
 - if script contains bugs it will cost money & time
 - Heroku and Travis-CI are script driven

Why Command Line Matters

Automate Tasks

1. A script can automate tasks that would take a long time to perform via GUI.
 - monitor and rotate log files
 - clean, filter, and format data before use
2. Clone or update all student work from Github Classroom - a Python script

The PATH Matters, too!

You should know...

- what is PATH used for?
- what uses the PATH?
- how can you view it?
- how do you change it?
- how can you be hacked if its incorrect?

Where's my Python?

Is there a command to find out where (what **directory**) your python (or any command) is?



Where's my Python?

Unix, Linux, and MacOS (probably):

```
# find "python" on your PATH.
```

```
cmd> which python
```

```
/usr/bin/python
```

```
# This command searches "common" directories and  
# your search path for all matches
```

```
cmd> whereis python
```

```
python: /usr/bin/python3.7m /usr/bin/python3.7 /usr/  
bin/python /usr/bin/python3.6 /usr/bin/python2.7  
/usr/bin/python3.6m /usr/lib/python3.7  
/usr/lib/python3.6 /usr/lib/python2.7 /etc/python3.7  
/etc/python /etc/python3.6 /etc/python2.7  
/usr/local/lib/python3.7 /usr/local/lib/python3.6  
/usr/local/lib/python2.7 ...
```

Where's my Python?

Windows (but not exactly what we want):

```
# find location of executable "python" command:
```

```
cmd> where python.exe
```

```
C:\Programs\Python3.6\bin\python.exe
```

```
# Using Windows PowerShell
```

```
cmd> Get-Command python
```


Command Line Pros

Perfect Score on Q6 & Q7: Sivanat
Tharathorn

Honorable Mention: Chananchida
Thananan
Mail

Command Line Heroes

Redhat has a Podcast named "*Command Line Heroes*",
in English.

Season 1- history of software development

Season 3 -influential programming languages

Bash shell

Lisp & AI

Basic

Javascript

C

Python

COBOL & Infrastructure

Perl

Reality Check

Command Lines Basics was nearly same as Q6 and Q7 on Quiz 2.

Why the big difference in scores?

Student ID	Cmd Line Basics (18 pts)	Q6 + Q7 (8 pts)
6010545960	17	0
6110545422	17	0
6110546020	16	0
6110545481	17	1
6110545538	18	1
6110545571	16	1
6110545996	15	1
6110546402	18	1
6110546429	18	1
6110546631	15	1

Quiz 1 Reality Check

The unit testing assignment (Fraction) is *excellent* prep for Quiz 1. **Why the big difference in scores?**

Student ID	Fraction (20 pts)	Quiz 1 (30 pts)
xxxxxxxx03	19	0
xxxxxxxx81	18.5	0
xxxxxxxx54	18.5	0
xxxxxxxx20	18	5
xxxxxxxx78	17.5	0
xxxxxxxx57	17	0
xxxxxxxx01	16.5	0
xxxxxxxx31	14.5	4
xxxxxxxx21	8.5	0

Learning is Individual Effort

Help your friends learn by ...

- *not giving them the solution*
- *not sharing code*
- *refer them to TAs for help*

TAs and instructor are happy to help.

This is an opportunity to learn -- don't waste it.

Don't risk your friends' grade

- *if I detect copying, both the "source" and copier get F*
- *no second chance*