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CSCI-E91 Cloud Devops: Assignment 1

## **Problem 1:**

- 1. The VM setup was successful with Ubuntu on 1 core, 4Gb ram, 10Gb secondary and default network connectivity.
- 2. Network connectivity was successful as shown demonstrated in using wget and curl commands as demonstrated in the screenshot below,

```
--2018-09-27 10:36:33-- http://google.com/
Resolving google.com (google.com)... 172.217.6.78, 2607:f8b0:4005:80a::200e
Connecting to google.com (google.com)|172.217.6.78|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://www.google.com/ [following]
--2018-09-27 10:36:33-- http://www.google.com/
Resolving www.google.com (www.google.com)... 172.217.6.36, 2607:f8b0:4005:805::2004
Connecting to www.google.com (www.google.com)|172.217.6.36|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'index.html'
index.html
                                                                                                       ] 12.86K --.-KB/s
                                                                                                                                      in 0.01s
                                            <=>
2018-09-27 10:36:33 (1.26 MB/s) - 'index.html' saved [13167]
stakes@CSCI91:~$ curl google.com
<HTML><HEAD><meta http-equiv="content-type" content="text/html;charset=utf-8">
<TITLE>301 Moved</TITLE></HEAD><BODY>
<H1>301 Moved</H1>
The document has moved
<A HREF="http://www.google.com/">here</A>.
</BODY></HTML>
 takes@CSCI91:~$ python3 --version
Python 3.6.6
```

- 3. As also shown above, Python3 was already preinstalled in the ubuntu VM.
- 4. Pip3 and boto3 were successfully installed using the following commands
  - a. sudo apt-get install python3-pip
  - b. sudo pip3 install boto3
- Notebook was installed successfully and Jupyter notebook ran using the following commands
  - a. sudo apt-get install notebook
  - b. jupyter notebook
- 6. My preferred Text editor is currently sublime

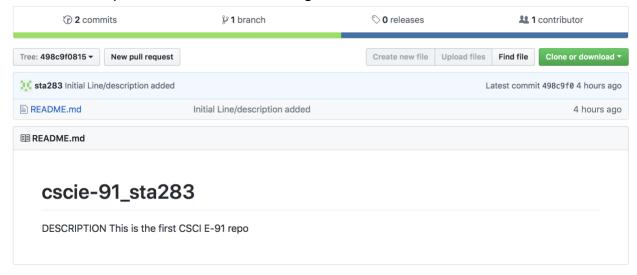
## Problem 2:

- 1. My code.harvard.edu repository name is "cscie-91\_sta83 and all teaching staff have been added as collaborators
- The SSH keys were successfully created locally and public key uploaded to code.harvard.edu as evidenced by the keypair permissions and location shown in the image below

```
stakes@CSCI91:~/.ssh$ ll

total 16
drwx----- 2 stakes stakes 4096 Sep 27 11:52 ./
drwxr-xr-x 17 stakes stakes 4096 Sep 27 11:18 ../
-rw----- 1 stakes stakes 1675 Sep 27 11:52 id_rsa
-rw-r--r-- 1 stakes stakes 395 Sep 27 11:52 id_rsa.pub
stakes@CSCI91:~/.ssh$ pwd
/home/stakes/.ssh
```

3. The git repository was successfully cloned locally and the README file modified, staged, committed and pushed as directed in the assignment instructions as shown below



## **Problem 3:**

- 1. The bash script was completed as named "system\_data\_script.sh" and its result named "system data script result.txt" under "assignment1" directory in the repository
- 2. The python script was completed and named "max\_int.py" under "assignment1" directory in the repository
- 3. The python script was completed and named "quote\_dictionary.py" under "assignment1" directory in the repository

Please let me know if you have any concerns or questions. Thanks!