

1 CSC299 - Fall 2015 - Lab Assignment 1

1.1 Task 1 (2 points)

Login into:

`mdp.cdm.depaul.edu`

Change your password.

Run the following commands:

```
mkdir csc299
cd csc299
mkdir lab01
cd lab01
jed README.md
```

In the README file, enter the following information:

Name: <yourname>

StudentId: <yourstudentid>

Email: <youremail>

Follow the instructions in:

<https://dl.dropboxusercontent.com/u/18065445/DePaul/GitBitbucketAssignments.pdf>

to create an account on BitBucket and post your code on bitbucket using the following commands:

```
cd ~/csc299
git init
git remote add origin <fill this>
git add .
git commit -a -m "task 1 completed"
git push origin master
```

1.2 Task 2 (2 points)

Lookup the following command

```
uname -a
```

Use it to answer the following questions:

- Kernel version?
- Machine hardware name?
- Processor type?
- Operating system?

Write the answers in the file `/csc299/lab01/README.md` when done run:

```
cd ~/csc299
git add .
git commit -a -m "task 2 completed"
git push
```

1.3 Task 3 (2 points)

Lookup the following command:

```
ls -l
```

and answer the following questions:

Where is the `ls` program located?

What is the size in bytes of the `ls` program?

Who is the author of the `ls` program?

How do you tell `ls` to list all (including hidden) files?

Write the answers in the file `/csc299/lab01/README.md` when done run:

```
cd ~/csc299
git commit -a -m "task 3 completed"
git push
```

1.4 Task 4 (2 points)

What is the purpose of the following folders?

```
/home  
/bin  
/var  
/etc
```

Write the answers in the file `/csc299/lab01/README.md` when done run:

```
cd ~/csc299  
git commit -a -m "task 4 completed"  
git push
```

1.5 Task 5 (2 points)

Here you will download, configure, build and install a package (curl) from source code:

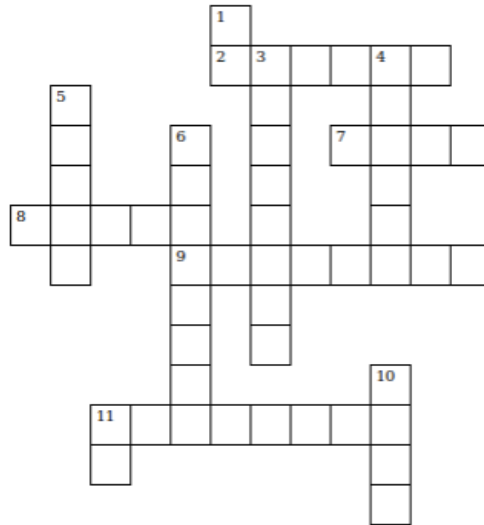
```
cd ~  
wget http://curl.haxx.se/download/curl-7.32.0.tar.gz  
gunzip curl-7.32.0.tar.gz  
tar xvf curl-7.32.0.tar  
cd curl-7.32.0  
./configure  
make  
make install  
cp lib/.libs/libcurl.so.4.3.0 ~/csc299/lab01/  
curl http://www.depaul.edu > ~/csc299/lab01/depaul.html  
rm -r curl-7.32.0
```

Notice that one the steps is supposed to fail but you will be able to continue (think why or ask). When done run:

```
cd ~/csc299  
git add .  
git commit -a -m "task 5 completed"  
git push
```

1.6 Task 6 (1 point)

Solve the puzzle:



ACROSS

2 File which stores user account names and their settings

7 UNIX system administrator

8 Command that lets you delete empty directories

9 Process of adding a storage device to a file system

11 Path name which starts with the current directory

DOWN

1 Command that lets you copy files

3 Path name that starts with the root directory

4 Displays your user name

5 Command which displays system characteristics

6 Name of a program which runs a shell

10 Command that lets you see a file one screen at a time

11 Allows you to delete files

Write the answers in the file `/csc299/lab01/README.md` when done run:

```
cd ~/csc299
git commit -a -m "task 6 completed"
git push
```

Attention: the purpose of the “git add”, “git commit” and “git push” is to communicate your results to me. If you fail to do so, I will not receive your work and you will not get credit for it.