1 CSC299 - 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://mdipierro.github.io/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:

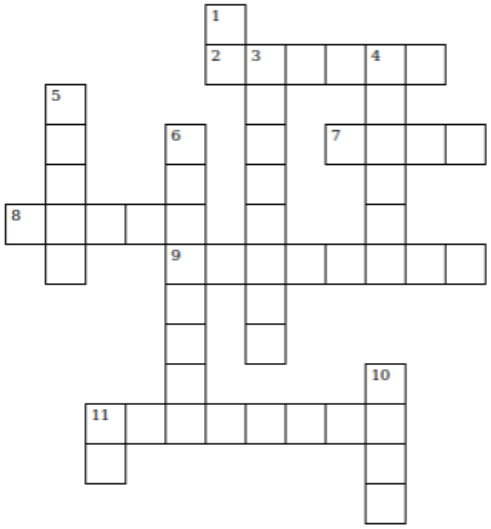
```
cd ~
wget http://curl.haxx.se/download/curl-7.32.0.tar.gz
gunzip curl-7.32.0.tar.gz
tar xvf curl-7.32.0.tar
cd curl-7.32.0
./configure
make
make install
cp lib/.libs/libcurl.so.4.3.0 ~/csc299/lab01/
curl http://www.depaul.edu > ~/csc299/lab01/depaul.html
rm -r curl-7.32.0
```

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.