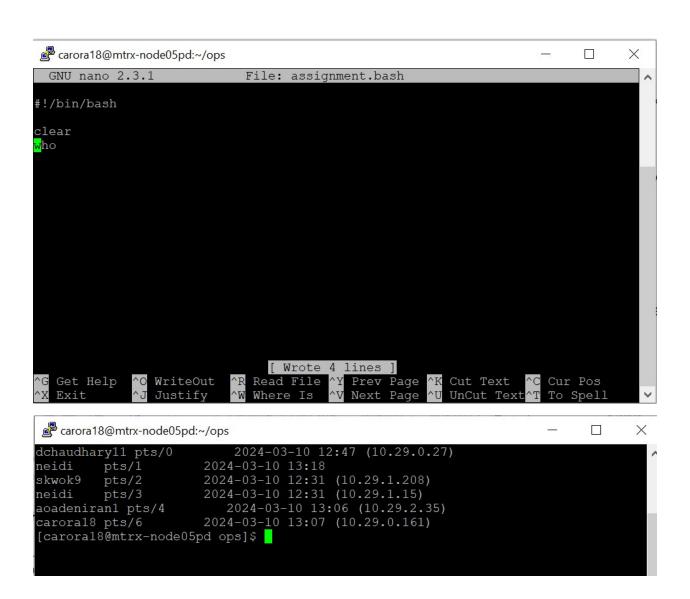
OPS102: Introduction to Shell Scripting Lab

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Include screenshots of your outputs and upload

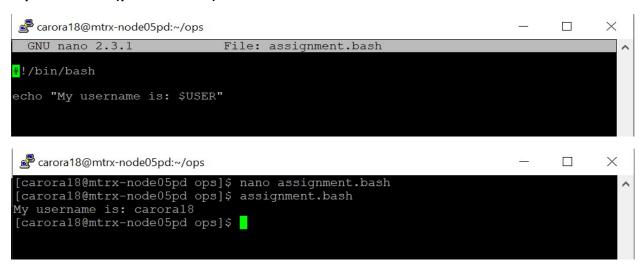
Task 1
Create a Bash Shell script to clear the screen and then display all users that are currently logged onto the system.



Task 2:

Write a Bash shell script to display the following message using an **environment variable** so it will work in any user's terminal if the shell script was issued:

My username is: (your-username)



Task 3:

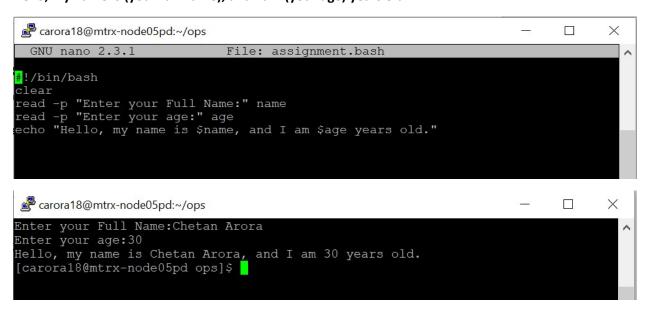
Write a Bash shell script to prompt the user for their **full name** and prompt the user for their **age** to be stored in **user-defined** variables.

Display the following output using the values of those variables:

Enter your Full Name: (your full name)

Enter your Age: (your age)

Hello, my name is (your full name), and I am (your age) years old.



Task 4

Write a shell script that reads following information from user and writes into a file.

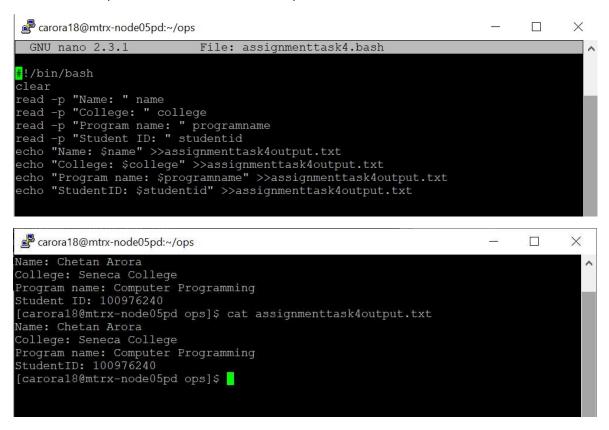
Name:

College:

Program name

Student ID

The script should read name of the script from the user.



Task 5

Write a script that write the following into the file read in Task 3:

My is <user name>. I am logged on <hostname>. Today is <date>.

My current working directory is <directory>. There are <number of files> in my current directory

```
GNU nano 2.3.1

#!/bin/bash
clear

username=$ (whoami)
hostname=$ (hostname)
currentdate=$ (date)
currentdirectory=$ (pwd)
numberoffiles=$ (ls -1 | grep -c "^-")

echo "My user name is $username. I am logged on $hostname. Today is $currentdate."
echo "My current working directory is $currentdirectory. There are $numberoffiles in my current directory."
```

```
carora18@mtrx-node05pd:~/ops

My user name is carora18. I am logged on mtrx-node05pd.dcm.senecacollege.ca. Today is Sun Mar 10 14:42:14 EDT 2024.

My current working directory is /home/carora18/ops. There are 4 in my current directory.

[carora18@mtrx-node05pd ops]$
```

Task 6:

Make a file and enter following script:

```
#!/bin/bash
```

```
a=10
b=2
```

```
echo "$a + $b: $((a+b))"
echo "$a - $b: $((a-b))"
echo "$a * $b: $((a*b))"
echo "$a / $b: $((a/b))"
```

Modify the script to read variables a and b from user. Make interactive program to read variables.

```
carora18@mtrx-node05pd:~/ops
                                                                                                       X
 GNU nano 2.3.1
                                    File: assignmenttask6.bash
                                                                                                   Modified
#!/bin/bash
clear
read -p "Enter the value of a:" a read -p "Enter the value of b:" b
echo "$a + $b: $((a+b))"
echo "$a - $b: $((a-b))"
echo "$a * $b: $((a*b))"
echo "$a / $b: $((a/b))"
 carora18@mtrx-node05pd:~/ops
                                                                                                      X
Enter the value of a:10
Enter the value of b:2
10 * 2: 20
[carora18@mtrx-node05pd ops]$
```