Assignment

Assignment Date:05-11-2022
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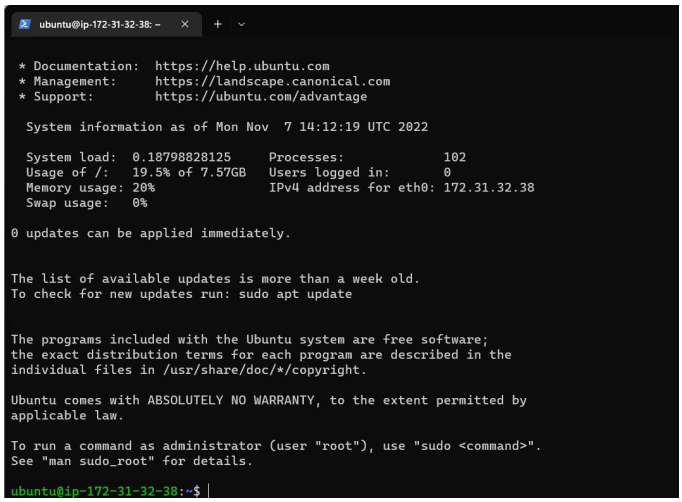
Assignment 1 :- How to upload HTML web pages on Apache2 web server in EC-2 Instance?

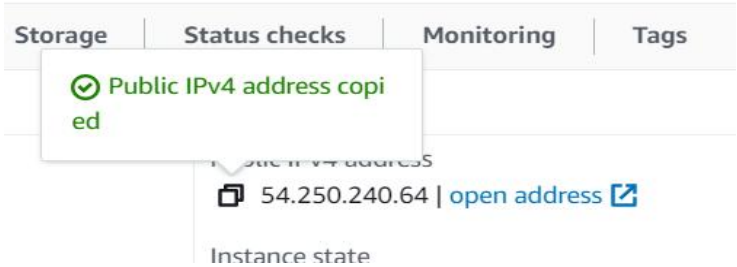
Step1: Initially I created a Linux server using Ubuntu image under EC2 section once the server is up then I connected to that server via SSH

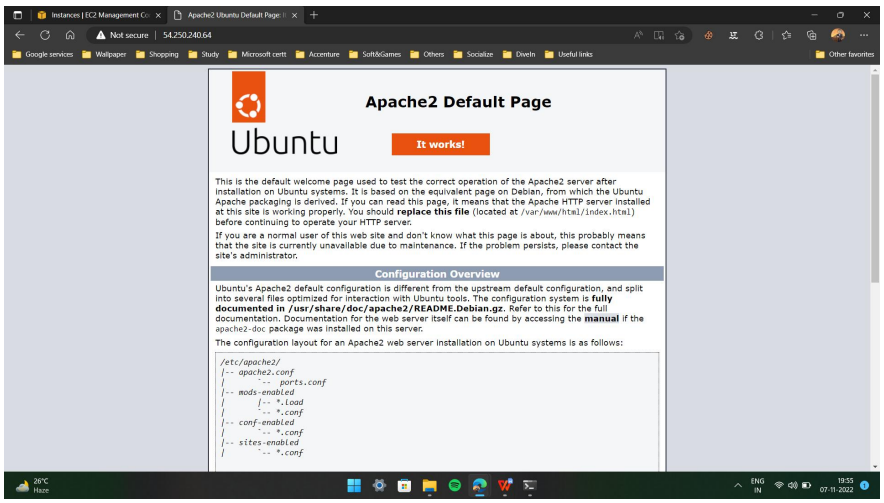


Step2: Once connected I updated the Linux server using **sudo apt-get update command**

Step3: After updating the machine I installed the apache2 server using **sudo apt-get install apache2**

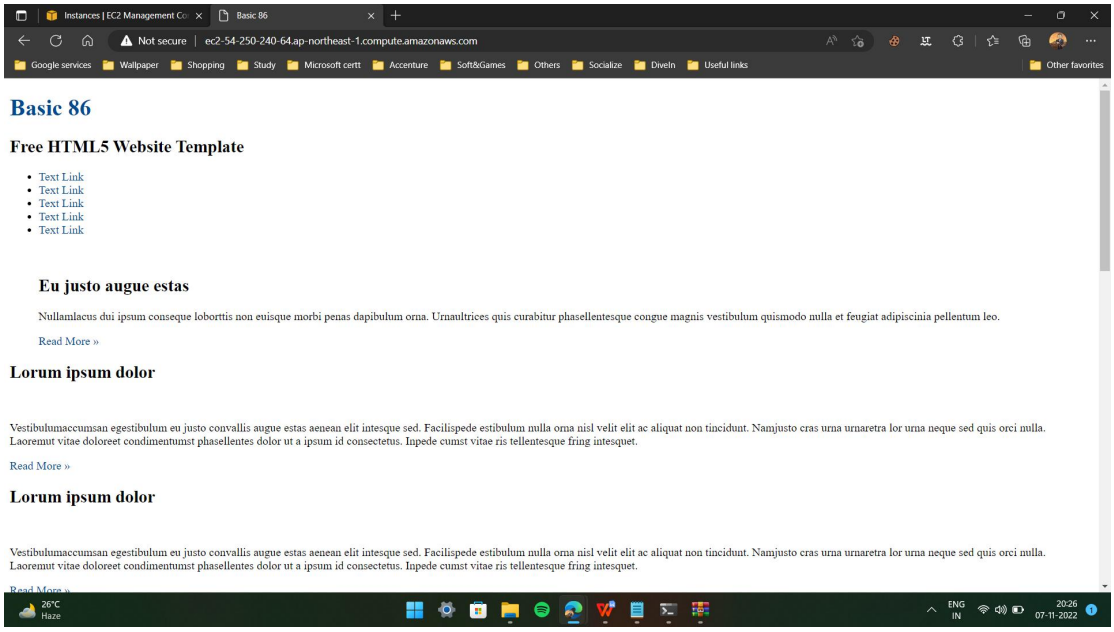
Step4: Now I went to my instance and took the public ip of it and opened it





I got default page of Apache server now I'm going to put new HTML file to load new page for this IP address

Step5: This default page HTML will be located in /var/www/html/index.html so I moved to this path and started editing index.html to load new page

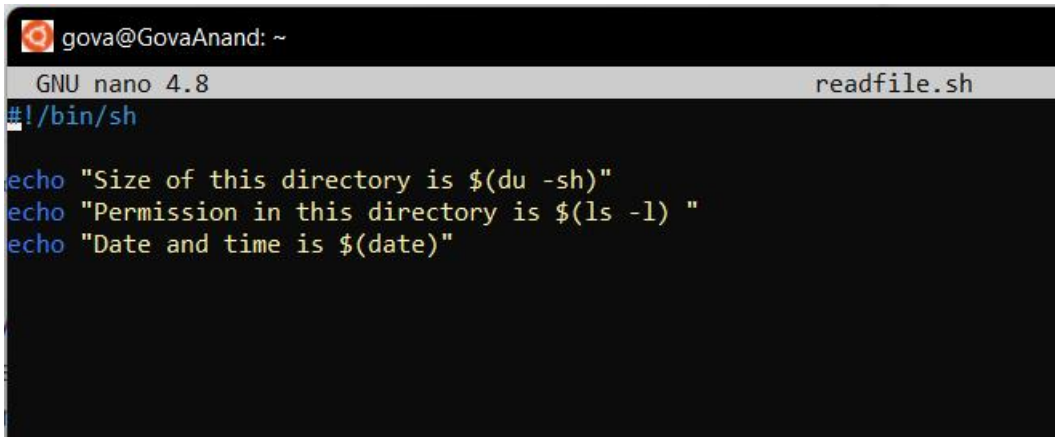


Step6: once edited the page I reloaded the tab to see updated page

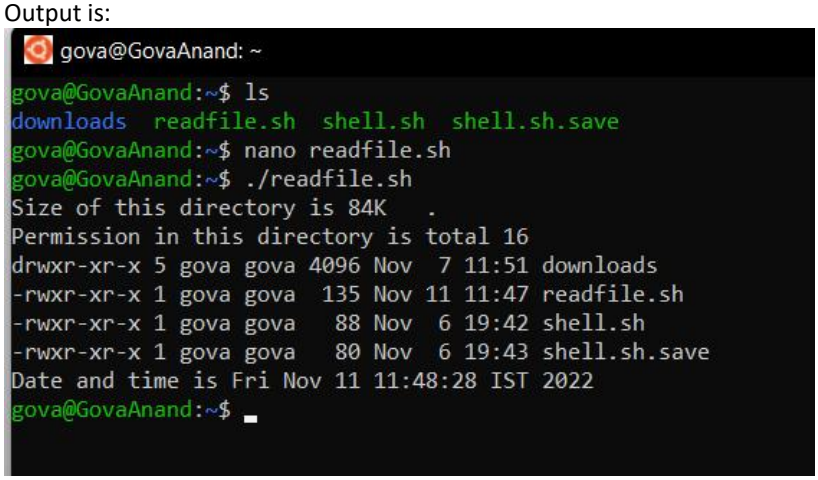
Assignment 2 : Create readfile.sh in which you can read the information of PWD like size, permission, date time etc.

So, I created a file called readfile.sh and provided permission to it to execute using chmod +x readfile.sh

And added below lines to get the Present working directory's size,permisson and date&time

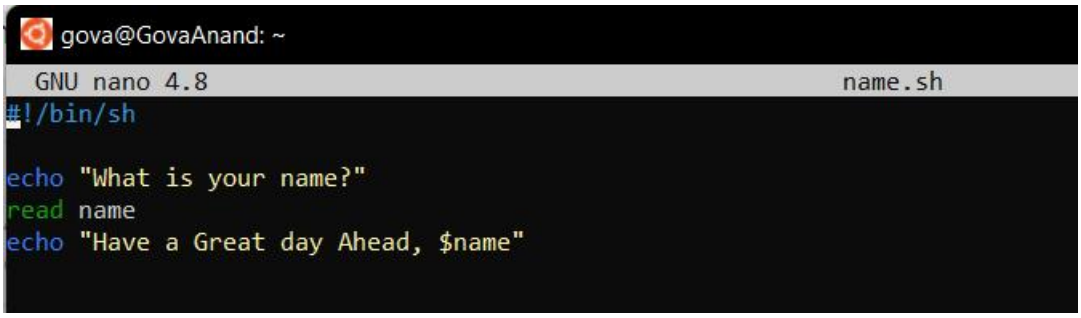


Output is:

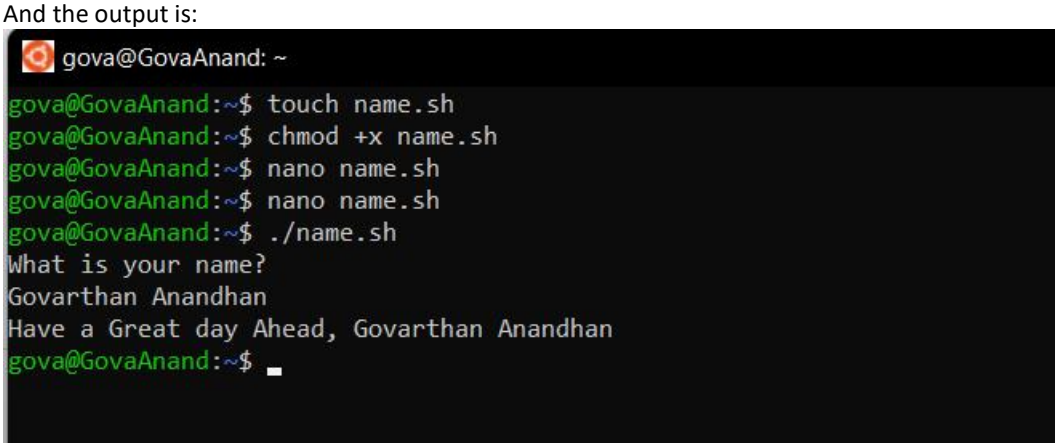


Assignment 3 : Take an input of name from user and print Have a great day ahead {name}

Created new sh file called name.sh and added the below commands

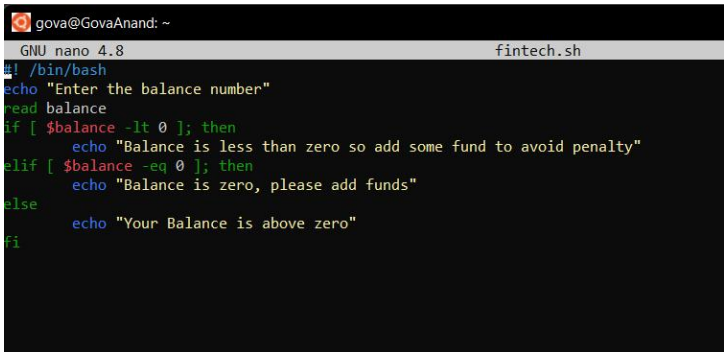


And the output is:

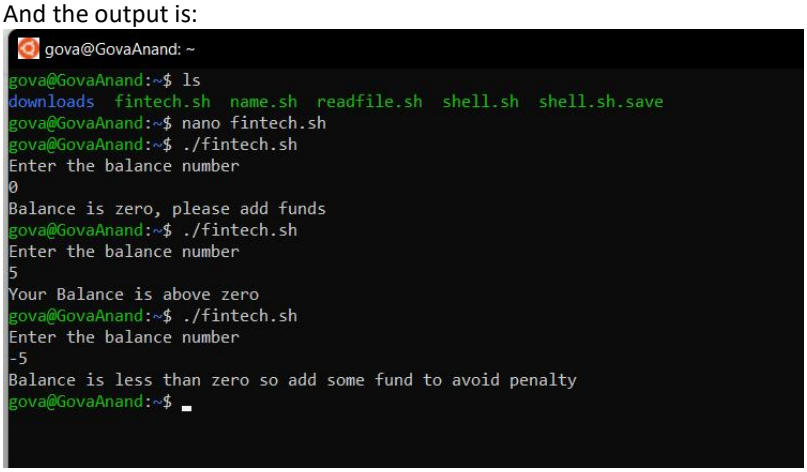


Assignment 4 : Let's take a scenario of fintech app program in which we want to have three separate
outputs for 3 different situations:

I created the fintech.sh file and added the below condition inside that



And the output is:

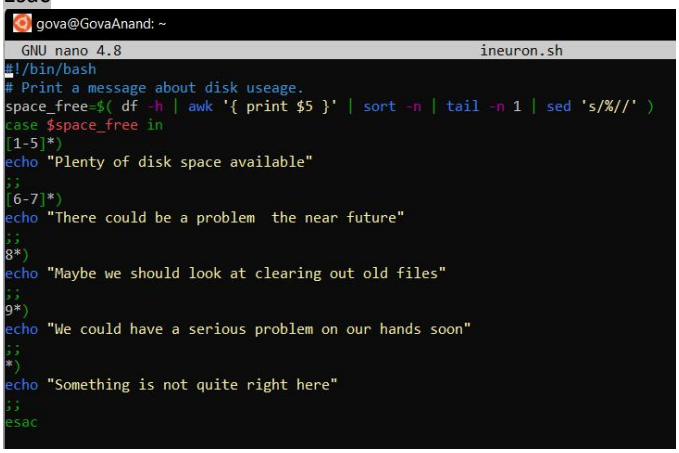


Assignment 5 : Debug and define briefly about the following program :-

```
#!/bin/bash
# Print a message about disk useage.space_free=$( df -h | awk '{ print $5 }' | sort -n | tail -n 1 | sed 's/%//' )
case $space_free in
[1-5]*)
echo Plenty of disk space available
[6-7]*)
echo There could be a problem in the near future
8*)
echo Maybe we should look at clearing out old files
9*)
echo We could have a serious problem on our hands soon
*)
echo Something is not quite right here
;;
Esac
```

Since the Above program has some syntax error I resolved those and correct program is

```
#!/bin/bash
# Print a message about disk useage.
space_free=$( df -h | awk '{ print $5 }' | sort -n | tail -n 1 | sed 's/%//' )
case $space_free in
[1-5]*)
echo "Plenty of disk space available"
;;
[6-7]*)
echo "There could be a problem  the near future"
;;
8*)
echo "Maybe we should look at clearing out old files"
;;
9*)
echo "We could have a serious problem on our hands soon"
;;
*)
echo "Something is not quite right here"
;;
Esac
```



In this program actually it is checking for the disk free space here it takes last line (tail -n 1) and print fifth field (awk'{print $5}'
And in each case condition is added based on the condition falls we will get output
My output is :