

Instructions

The web development team has requested that you create a directory structure and some placeholder files for their new web site application on the CentOS server you created for them previously. Please create the following directories (note that these are absolute paths):

```
/development  
/development/website  
/development/website/images  
/development/website/js
```

Also, please create a file called `index.html` within the website directory and enter the following text:

```
<h1>This site is currently under construction</h1>  

```

Finally, search the internet for a jpeg (image) depicting “under construction”. Download the file to your user’s Downloads directory. Move this file to the images directory and rename it to `underconstruction.jpg`. If you download a non-jpeg image, you’ll need to update the `index.html` file to use the correct file extension.

Test the file by entering the command:

```
firefox /development/website/index.html
```

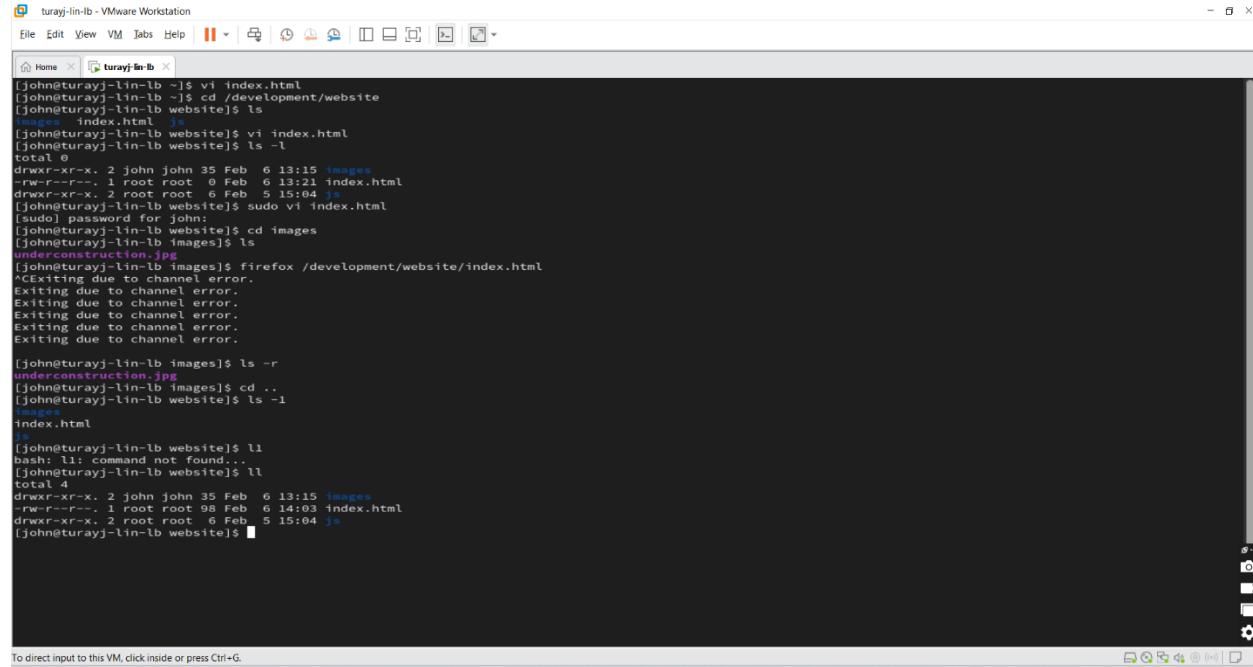
Screenshots

Paste the required screen shots under each description.

1. Show a directory listing of the `/development` and `/development/website` directories

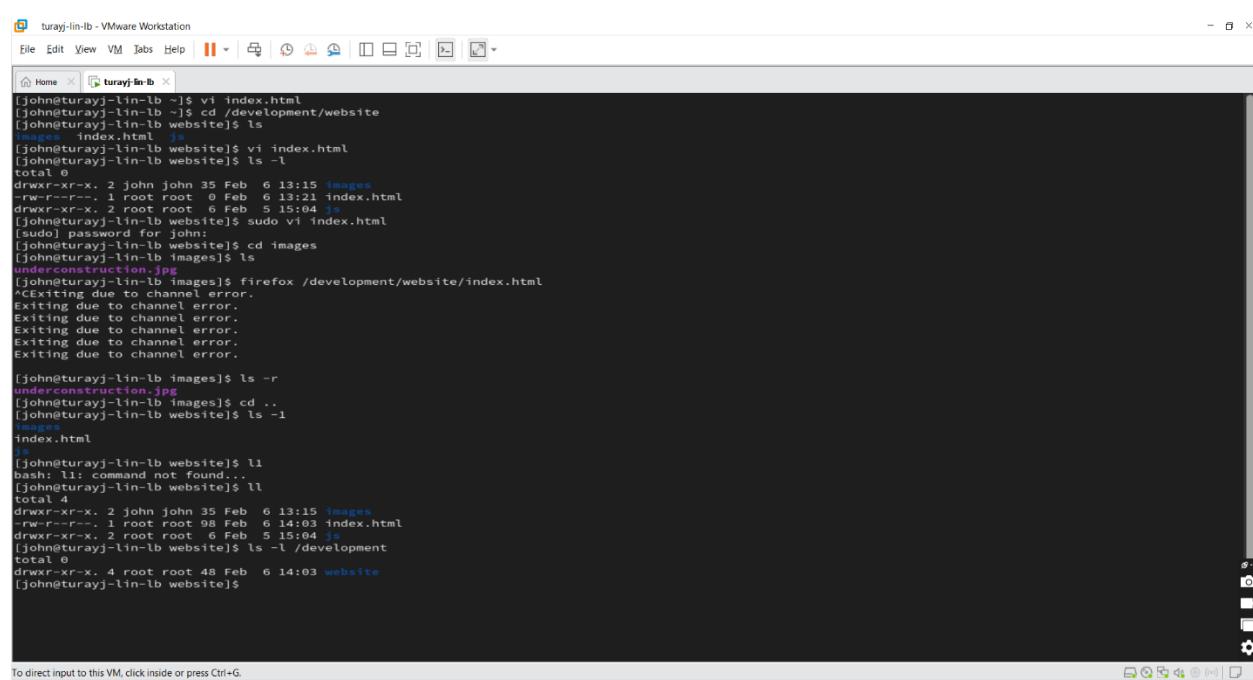
Lab 3 - Linux Files and Directories

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```
[john@turayj-lin-lb ~]$ vi index.html
[john@turayj-lin-lb ~]$ cd /development/website
[john@turayj-lin-lb website]$ ls
index.html
[john@turayj-lin-lb website]$ vi index.html
[john@turayj-lin-lb website]$ ls -l
total 0
drwxr-xr-x. 2 john john 35 Feb 6 13:15 images
-rw-r--r--. 1 root root 0 Feb 6 13:21 index.html
drwxr-xr-x. 2 root root 6 Feb 5 15:04 js
[john@turayj-lin-lb website]$ sudo vi index.html
[sudo] password for john:
[john@turayj-lin-lb website]$ cd images
[john@turayj-lin-lb images]$ ls
underconstruction.jpg
[john@turayj-lin-lb images]$ firefox /development/website/index.html
^CExiting due to channel error.
Exiting due to channel error.

[john@turayj-lin-lb images]$ ls -r
underconstruction.jpg
[john@turayj-lin-lb images]$ cd ..
[john@turayj-lin-lb website]$ ls -l
index.html
js
[john@turayj-lin-lb website]$ ll
bash: ll: command not found...
[john@turayj-lin-lb website]$ ll
total 4
drwxr-xr-x. 2 john john 35 Feb 6 13:15 images
-rw-r--r--. 1 root root 98 Feb 6 14:03 index.html
drwxr-xr-x. 2 root root 6 Feb 5 15:04 js
[john@turayj-lin-lb website]$
```



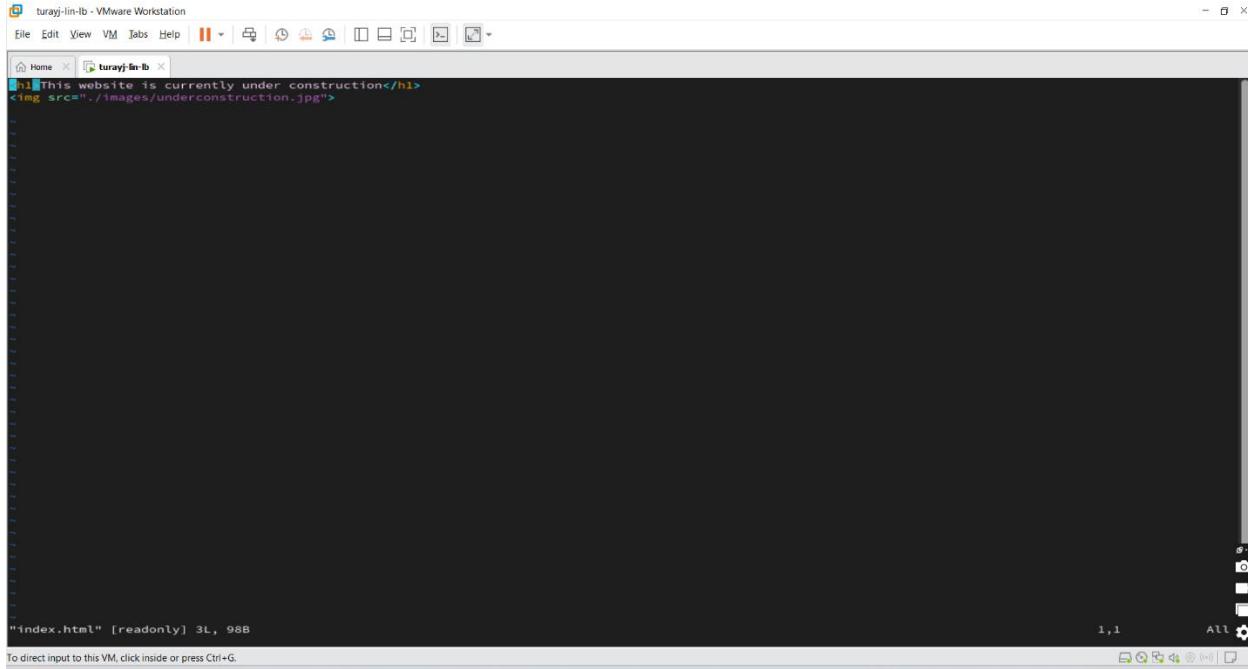
```
[john@turayj-lin-lb ~]$ vi index.html
[john@turayj-lin-lb ~]$ cd /development/website
[john@turayj-lin-lb website]$ ls
index.html
[john@turayj-lin-lb website]$ vi index.html
[john@turayj-lin-lb website]$ ls -l
total 0
drwxr-xr-x. 2 john john 35 Feb 6 13:15 images
-rw-r--r--. 1 root root 0 Feb 6 13:21 index.html
drwxr-xr-x. 2 root root 6 Feb 5 15:04 js
[john@turayj-lin-lb website]$ sudo vi index.html
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[john@turayj-lin-lb images]$ ls
underconstruction.jpg
[john@turayj-lin-lb images]$ firefox /development/website/index.html
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[john@turayj-lin-lb images]$ ls -r
underconstruction.jpg
[john@turayj-lin-lb images]$ cd ..
[john@turayj-lin-lb website]$ ls -l
index.html
js
[john@turayj-lin-lb website]$ ll
bash: ll: command not found...
[john@turayj-lin-lb website]$ ll
total 4
drwxr-xr-x. 2 john john 35 Feb 6 13:15 images
-rw-r--r--. 1 root root 98 Feb 6 14:03 index.html
drwxr-xr-x. 2 root root 6 Feb 5 15:04 js
[john@turayj-lin-lb website]$ ls -l /development
total 0
drwxr-xr-x. 4 root root 48 Feb 6 14:03 website
[john@turayj-lin-lb website]$
```

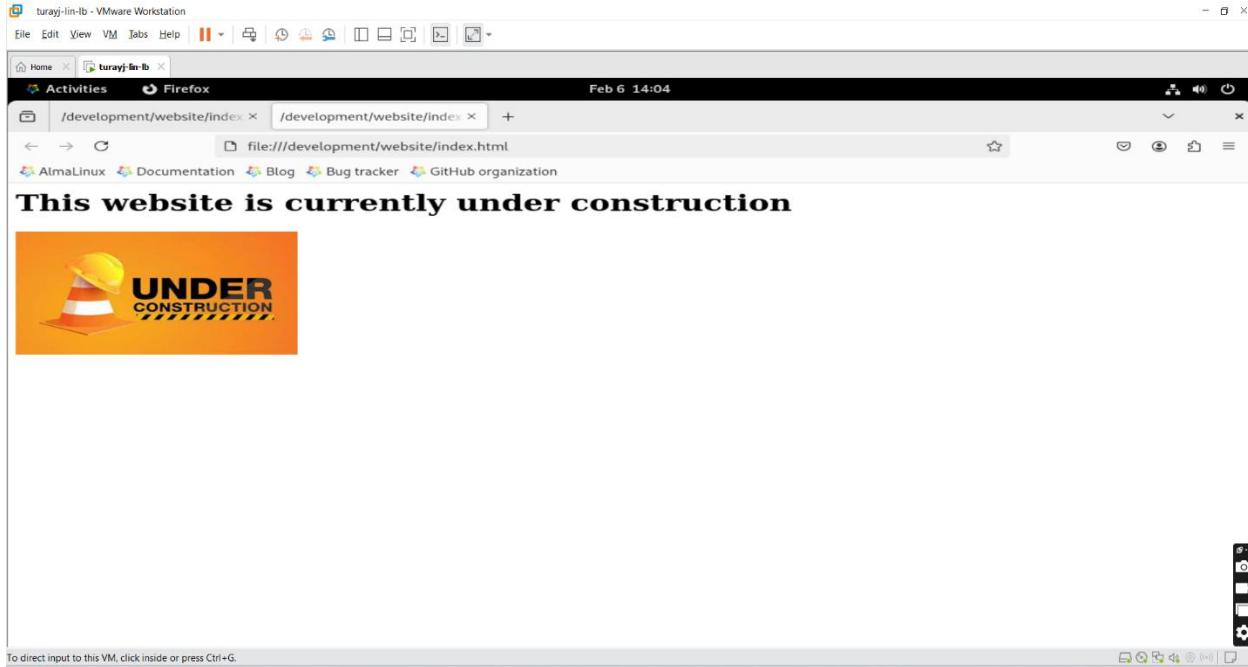
2. Open the index.html file with 'vi' and show the text required

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3. Take a screen shot showing the `index.html` file in Firefox from your test



Documentation

Record and explain all the steps you took to complete the task. Include any commands used, screen shots showing GUI interfaces, or any other information that would help you recreate the task.

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Note: You will be allowed to use this documentation to help you complete future assignments.

The image shows three separate windows of a VMware Workstation interface, each displaying a terminal session on a Linux guest machine named "turayj-lin-lb".

- Top Window:** Shows a terminal session where the user runs two commands: "sudo mkdir -p /development/website/images" and "sudo mkdir -p /development/website/js". Both commands require a password for the user "john".
- Middle Window:** Shows a terminal session where the user navigates to the "/development/website" directory and lists its contents. It shows files named "index.html", "images", and "js".
- Bottom Window:** Shows the content of the "index.html" file. The file contains the text "

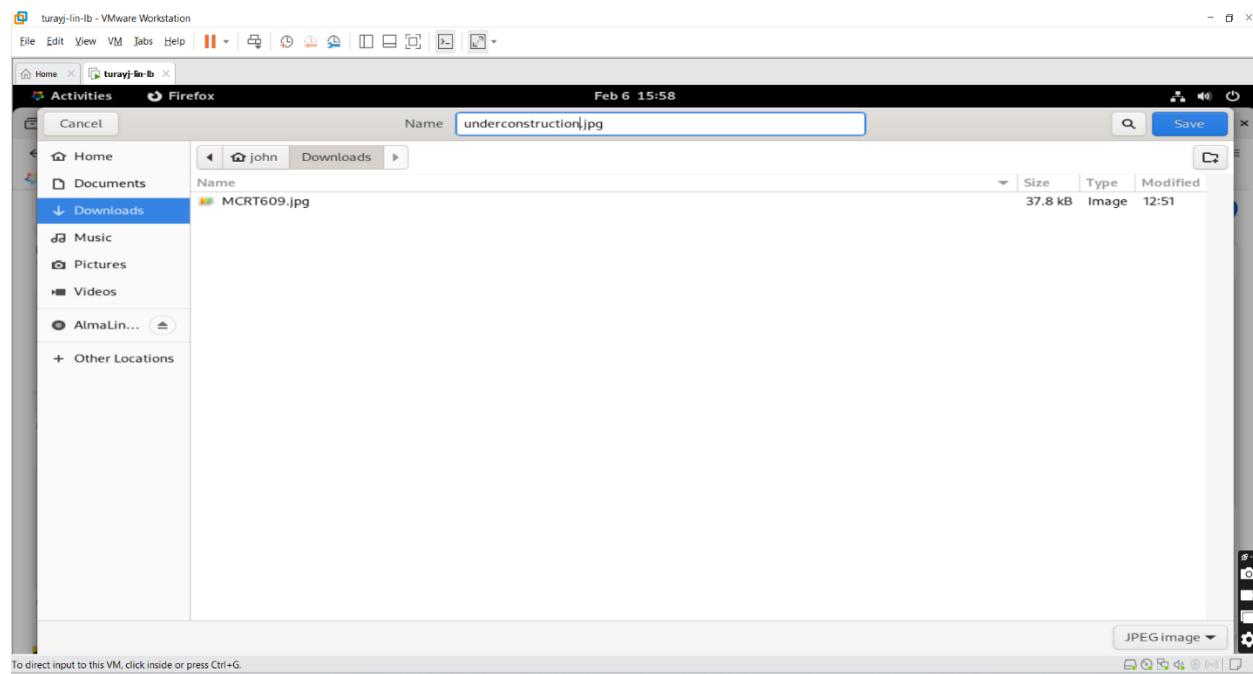
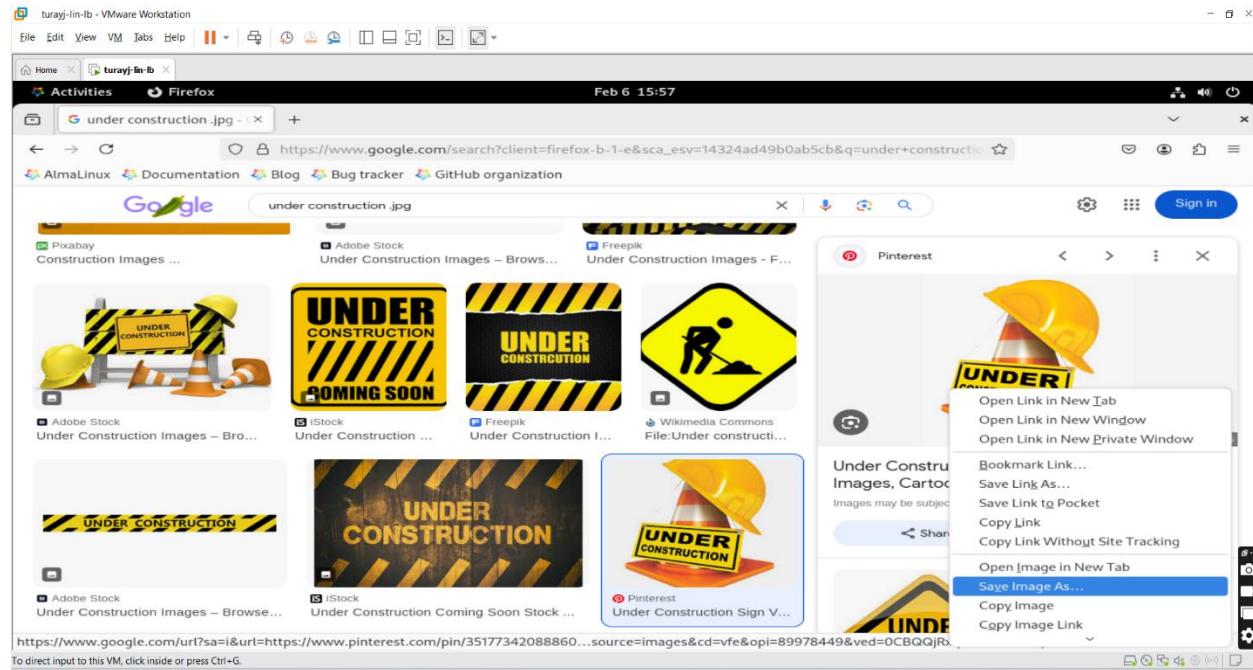
This website is currently under construction

" and an image tag "".

To direct input to this VM, click inside or press Ctrl+G.

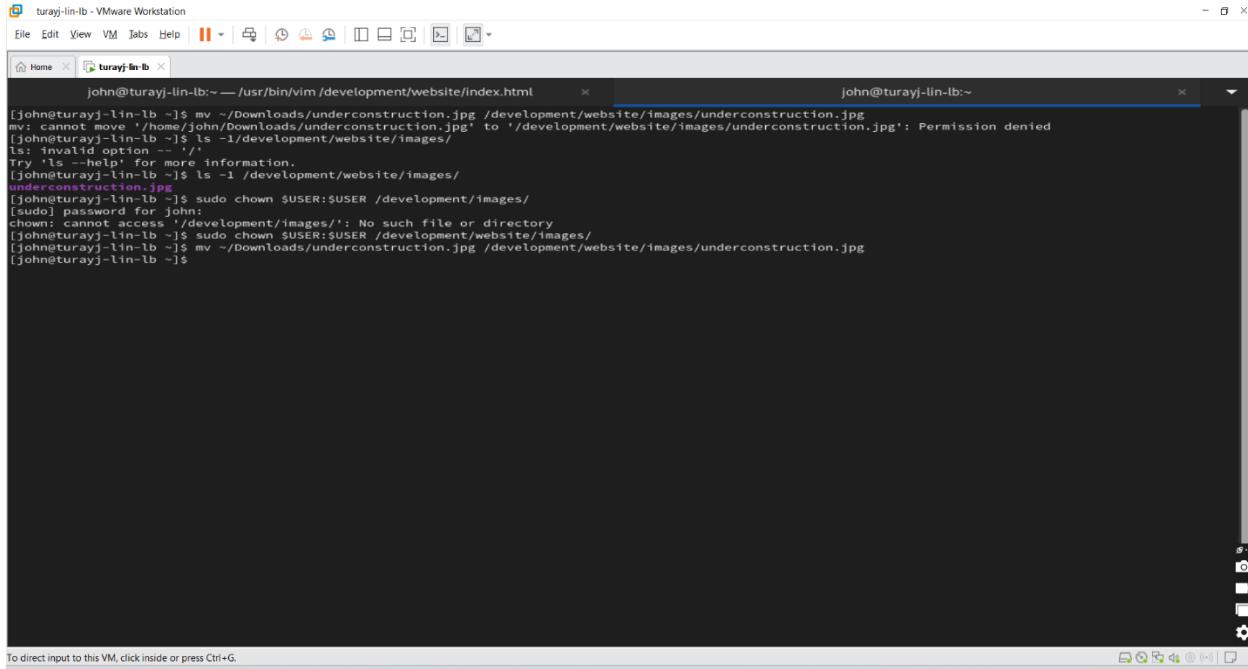
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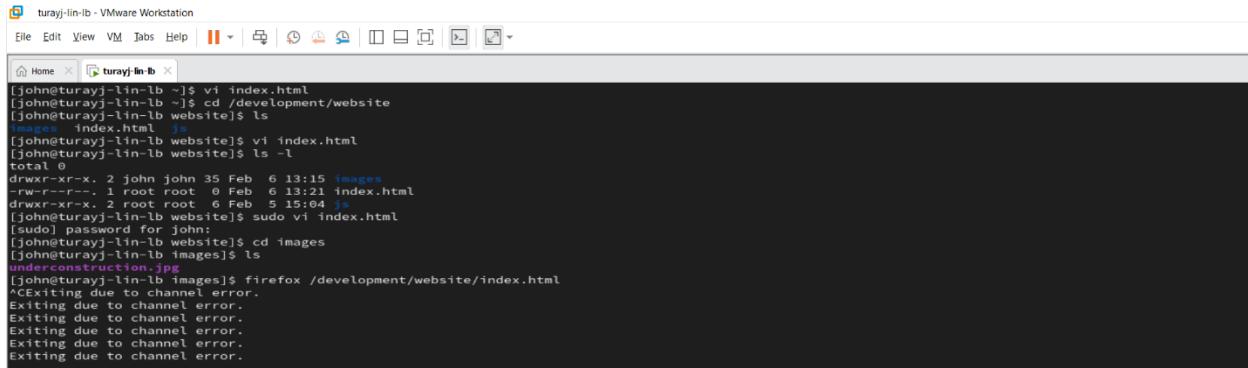


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```
[john@turayj-lin-lb ~]$ mv ~/Downloads/underconstruction.jpg /development/website/images/underconstruction.jpg
mv: cannot move '/home/john/Downloads/underconstruction.jpg' to '/development/website/images/underconstruction.jpg': Permission denied
[john@turayj-lin-lb ~]$ ls -l /development/website/images/
ls: /development/website/images/: Permission denied
Try 'ls -h --help' for more information.
[john@turayj-lin-lb ~]$ ls -l /development/website/images/
underconstruction.jpg
[john@turayj-lin-lb ~]$ sudo chown $USER:$USER /development/website/images/
[sudo] password for john:
chown: cannot access '/development/website/images/': No such file or directory
[john@turayj-lin-lb ~]$ sudo chown $USER:$USER /development/website/images/
[john@turayj-lin-lb ~]$ mv ~/Downloads/underconstruction.jpg /development/website/images/underconstruction.jpg
[john@turayj-lin-lb ~]$
```



```
[john@turayj-lin-lb ~]$ vi index.html
[john@turayj-lin-lb ~]$ cd /development/website
[john@turayj-lin-lb website]$ ls
index index.html is
[john@turayj-lin-lb website]$ vi index.html
[john@turayj-lin-lb website]$ ls -l
total 0
drwxr-xr-x 2 john john 35 Feb  6 13:15 images
-rw-r--r-- 1 root root 0 Feb  6 13:21 index.html
drwxr-xr-x 2 root root 6 Feb  5 15:04 is
[john@turayj-lin-lb website]$ sudo vi index.html
[sudo] password for john:
[john@turayj-lin-lb website]$ cd images
[john@turayj-lin-lb images]$ ls
underconstruction.jpg
[john@turayj-lin-lb images]$ firefox /development/website/index.html
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