

## 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
```

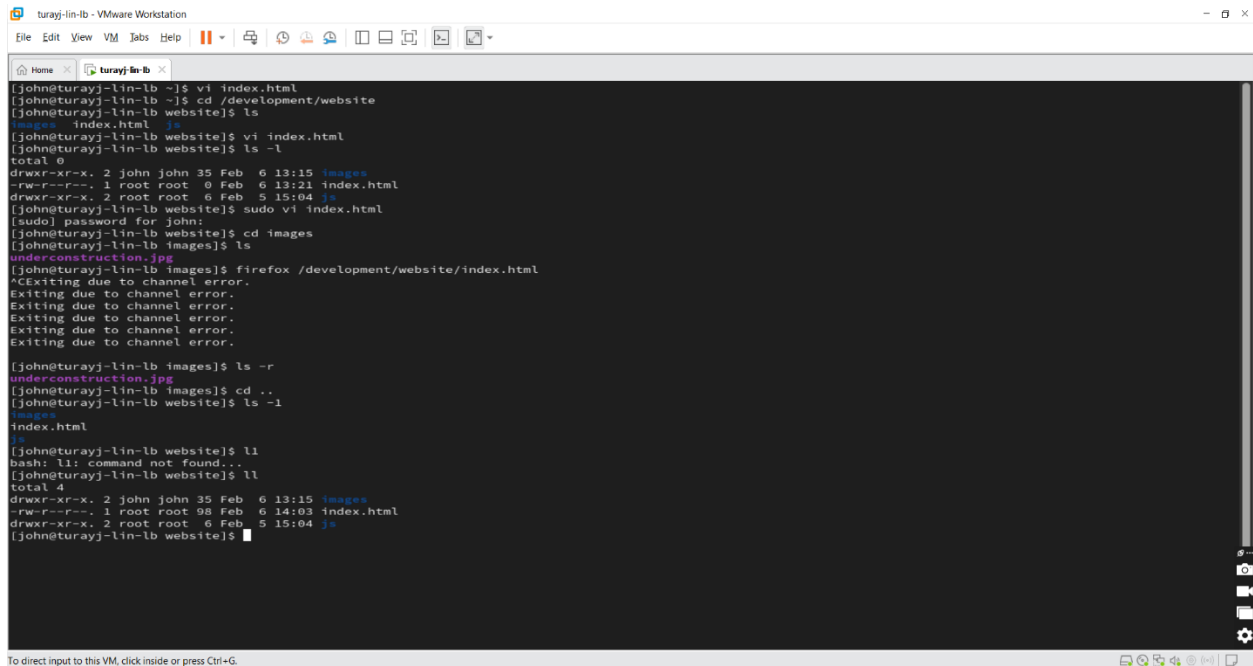
## Screenshots

Paste the required screen shots under each description.

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

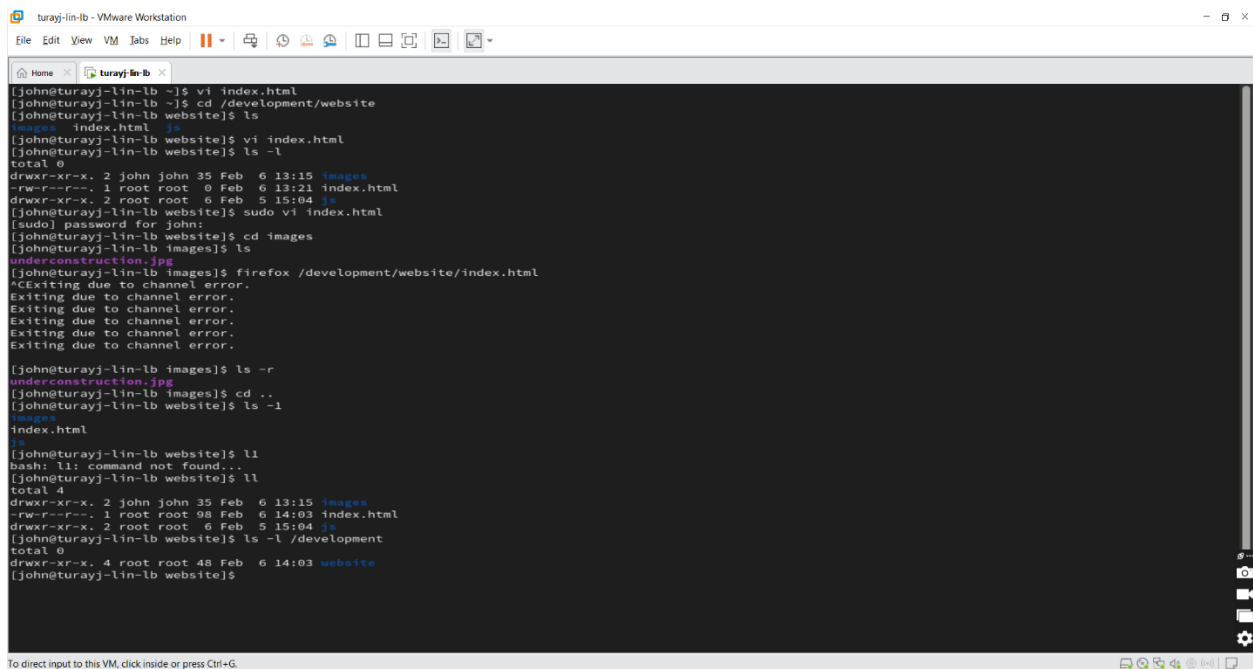
## Lab 3 - Linux Files and Directories

### Systems Administration



```
[john@turay]-lin-lb ~]$ vi index.html
[john@turay]-lin-lb ~]$ cd /development/website
[john@turay]-lin-lb website]$ ls
images index.html js
[john@turay]-lin-lb website]$ vi index.html
[john@turay]-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@turay]-lin-lb website]$ sudo vi index.html
[sudo] password for john:
[john@turay]-lin-lb website]$ cd images
[john@turay]-lin-lb images]$ ls
underconstruction.jpg
[john@turay]-lin-lb images]$ firefox /development/website/index.html
^CExiting due to channel error.
Exiting due to channel error.
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Exiting due to channel error.

[john@turay]-lin-lb images]$ ls -r
underconstruction.jpg
[john@turay]-lin-lb images]$ cd ..
[john@turay]-lin-lb website]$ ls -l
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@turay]-lin-lb website]$
```



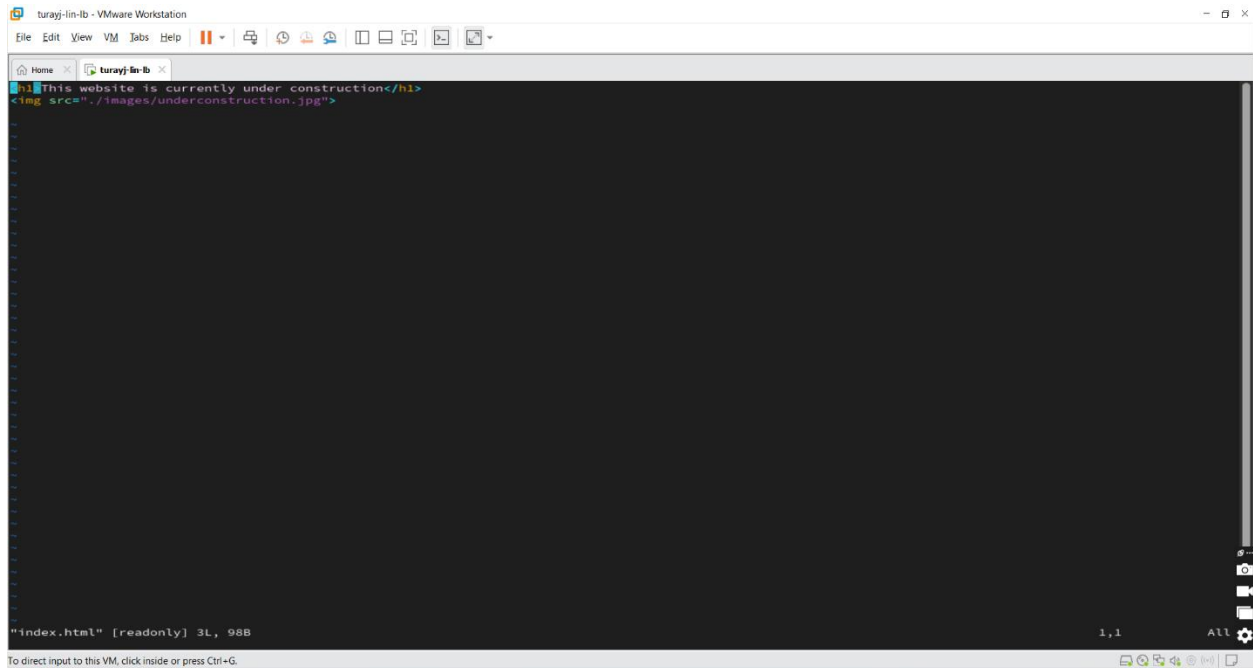
```
[john@turay]-lin-lb ~]$ vi index.html
[john@turay]-lin-lb ~]$ cd /development/website
[john@turay]-lin-lb website]$ ls
images index.html js
[john@turay]-lin-lb website]$ vi index.html
[john@turay]-lin-lb website]$ ls -l
total 0
drwxr-xr-x. 2 john john 35 Feb  6 13:15 images
-rw-r--r--. 1 root root  0 Feb  6 13:21 index.html
drwxr-xr-x. 2 root root  6 Feb  5 15:04 js
[john@turay]-lin-lb website]$ sudo vi index.html
[sudo] password for john:
[john@turay]-lin-lb website]$ cd images
[john@turay]-lin-lb images]$ ls
underconstruction.jpg
[john@turay]-lin-lb images]$ firefox /development/website/index.html
^CExiting due to channel error.
Exiting due to channel error.
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[john@turay]-lin-lb images]$ ls -r
underconstruction.jpg
[john@turay]-lin-lb images]$ cd ..
[john@turay]-lin-lb website]$ ls -l
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@turay]-lin-lb website]$ ls -l /development
total 0
drwxr-xr-x. 4 root root 48 Feb  6 14:03 website
[john@turay]-lin-lb website]$
```

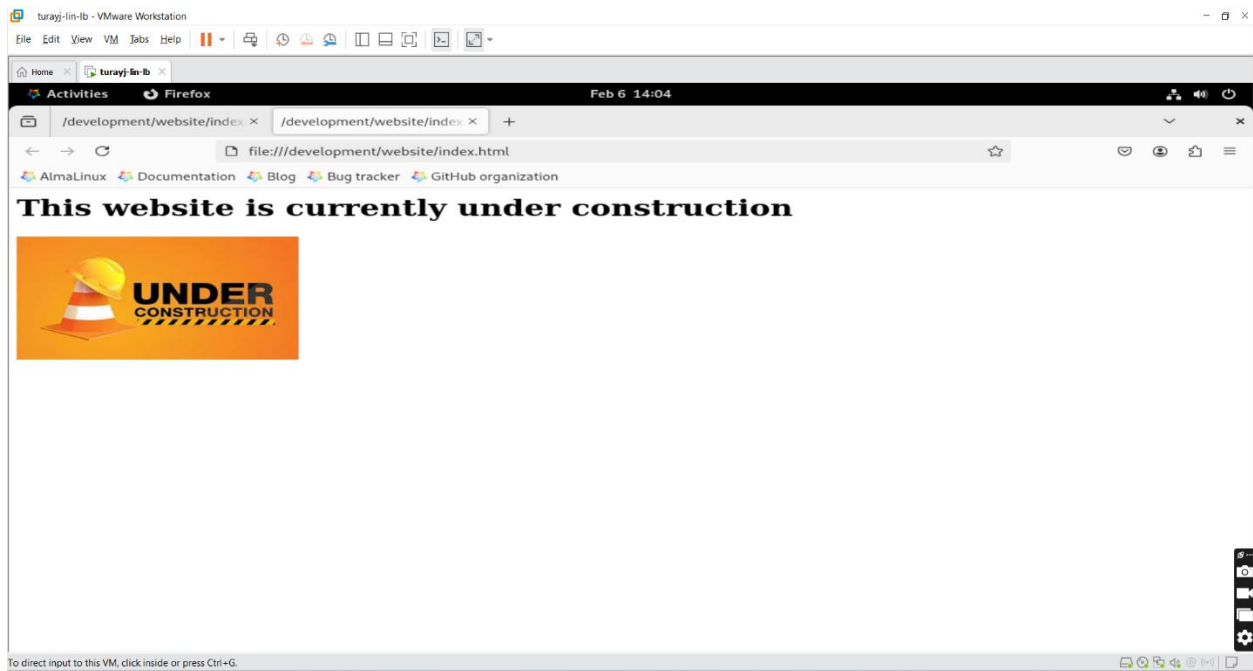
2. Open the index.html file with 'vi' and show the text required

## Lab 3 - Linux Files and Directories

### Systems Administration



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



## Documentation

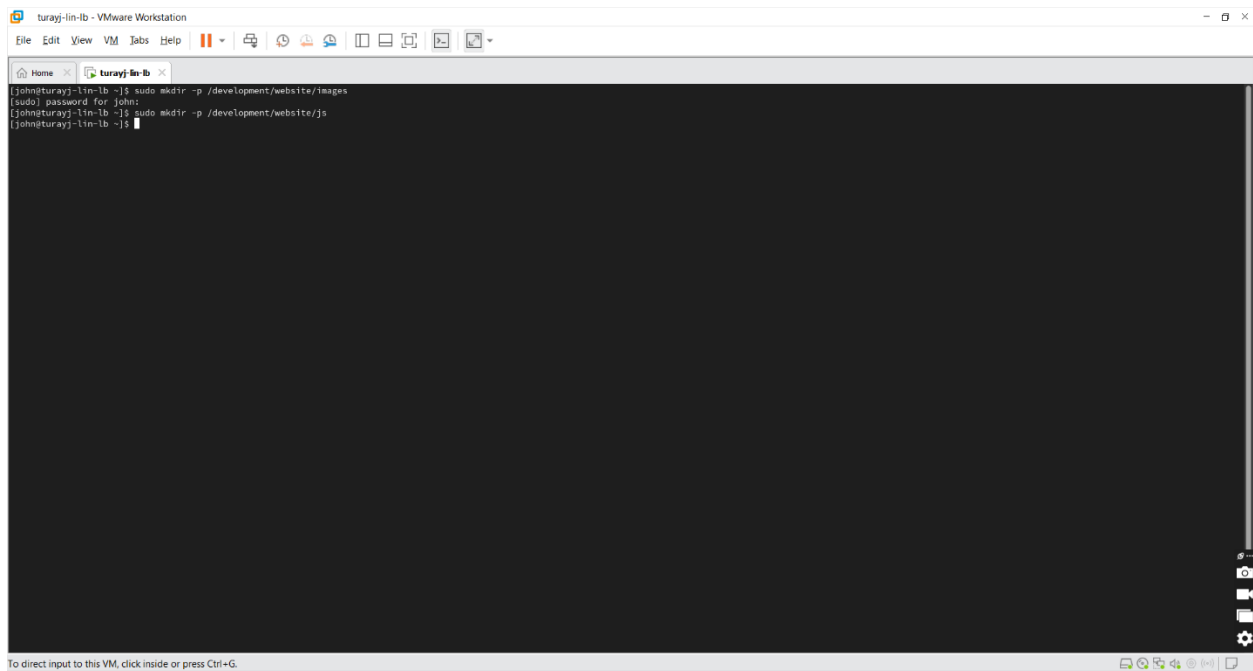
Record and explain all the steps you took to complete the task. Include any commands used, screen shots showing GUI interfaces, or any other information that would help you recreate the task.

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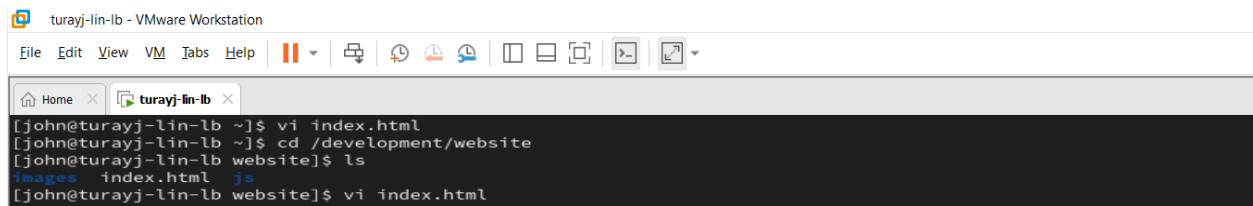
## Lab 3 - Linux Files and Directories

### Systems Administration

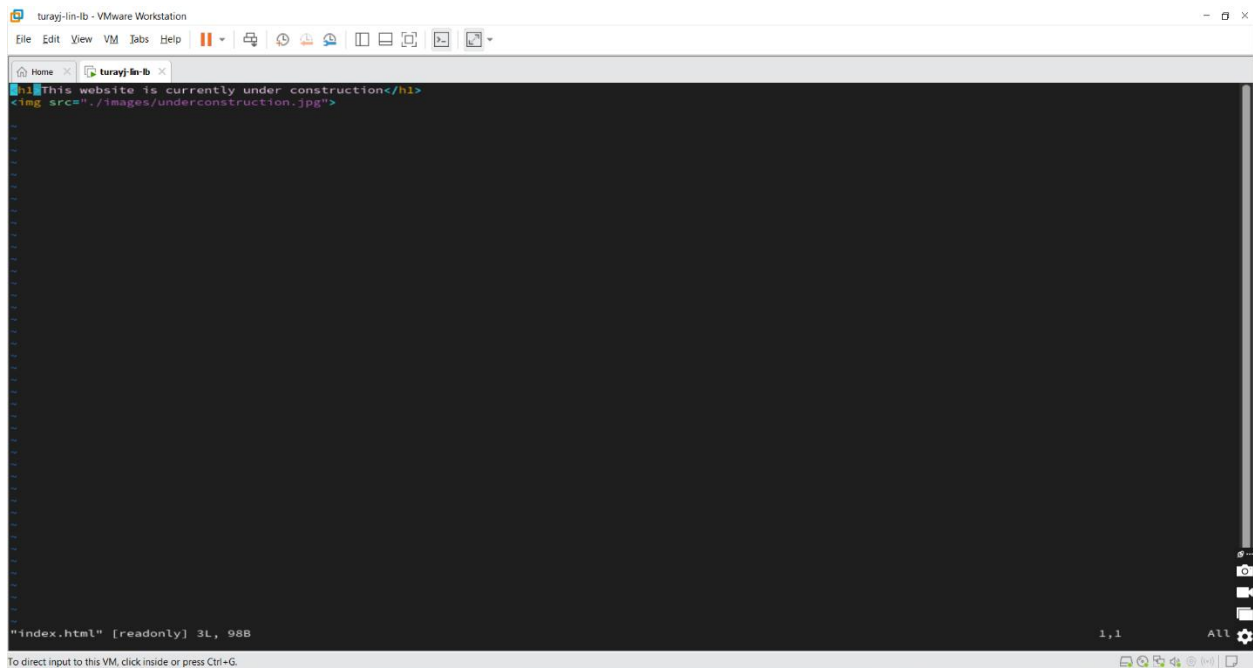
**Note: You will be allowed to use this documentation to help you complete future assignments.**



```
john@turayj-lin-lb ~]$ sudo mkdir -p /development/website/images
[sudo] password for john:
john@turayj-lin-lb ~]$ sudo mkdir -p /development/website/js
john@turayj-lin-lb ~]$
```



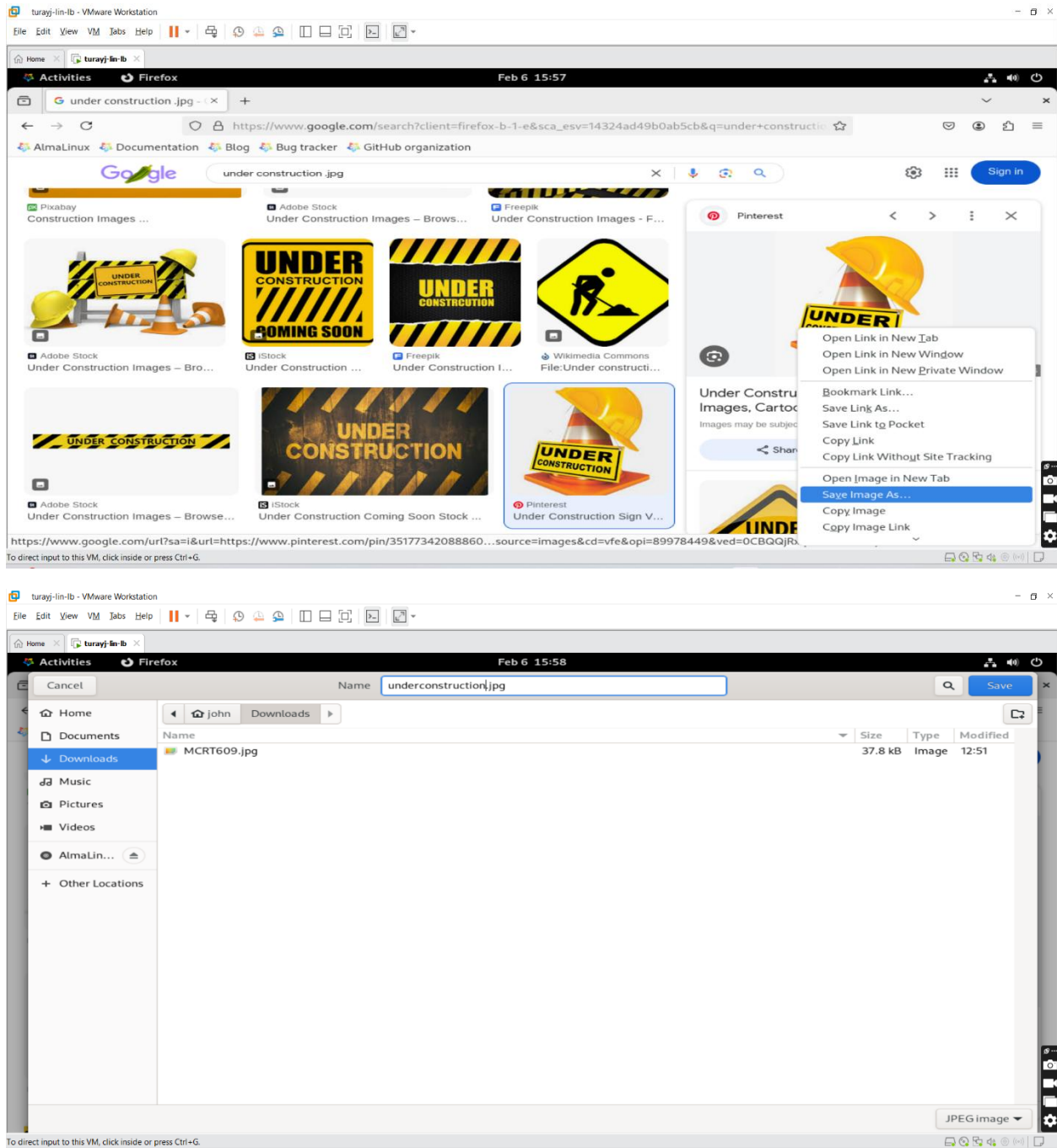
```
john@turayj-lin-lb ~]$ vi index.html
john@turayj-lin-lb ~]$ cd /development/website
john@turayj-lin-lb website]$ ls
images  index.html  js
john@turayj-lin-lb website]$ vi index.html
```



```
john@turayj-lin-lb ~]$ vi index.html
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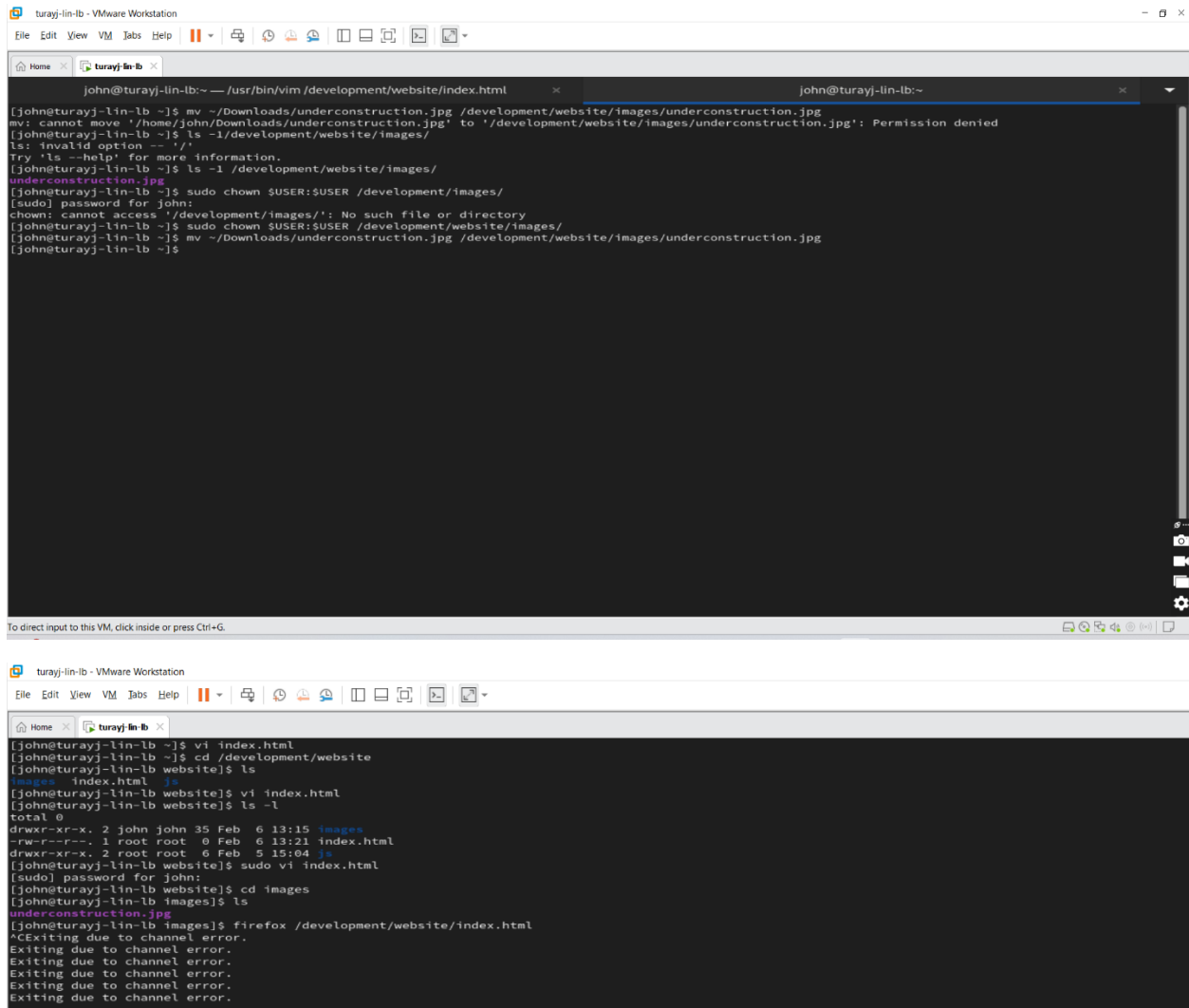
## Lab 3 - Linux Files and Directories

### Systems Administration



## Lab 3 - Linux Files and Directories

### Systems Administration



```
john@turayj-lin-lb: ~ — /usr/bin/vim /development/website/index.html
[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: invalid option -- '/'
Try 'ls --help' for more information.
[john@turayj-lin-lb ~]$ ls -l /development/website/images/
underconstruction.jpg
[john@turayj-lin-lb ~]$ sudo chown $USER:$USER /development/images/
[sudo] password for john:
chown: cannot access '/development/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: ~ — /usr/bin/vim /development/website/index.html
[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.
Exiting due to channel error.
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Exiting due to channel error.
```

## Lab 3 - Linux Files and Directories

### Systems Administration

