Module Code & Module Title

Level 5 – CT5054NI - Operating Systems

Assessment Type

Practical Examination

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Student Name: Bibhuti Sigdel

London Met ID: 23047458

College ID: NP01NT4A230128

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1. Create a directory structure as shown below and show it in the terminal.

```
bibhuti_sigdel@Bibhuti:~$ mkdir -p My_project/{public,source/{scripts,styles,assets},components,documentation}
bibhuti_sigdel@Bibhuti:~$ tree My_project
My_project
├── components
├── documentation
├── public
└── source
    ├── assets
    ├── scripts
    └── styles

8 directories, 0 files
bibhuti_sigdel@Bibhuti:~$
```

2. Create a directory named **'icons'** inside the **'source/assets'** directory using a relative pathname.

```
bibhuti_sigdel@Bibhuti:~$ touch My_project/source/assets/icons
bibhuti_sigdel@Bibhuti:~$ cd My_project/source/assets
bibhuti_sigdel@Bibhuti:~/My_project/source/assets$ ls
icons
bibhuti_sigdel@Bibhuti:~/My_project/source/assets$
```

3. Create a file named **'global.css'** inside the **'styles'** directory using absolute pathname.

```
bibhuti_sigdel@Bibhuti:~$ touch /home/bibhuti_sigdel/My_project/source/styles/global.css
bibhuti_sigdel@Bibhuti:~$ cd /home/bibhuti_sigdel/My_project/source/styles
bibhuti_sigdel@Bibhuti:~/My_project/source/styles$ ls
global.css
bibhuti_sigdel@Bibhuti:~/My_project/source/styles$
```

4. Change directory to the **'components'** using an absolute pathname.

```
bibhuti_sigdel@Bibhuti:~$ cd /home/bibhuti_sigdel/My_project/components
bibhuti_sigdel@Bibhuti:~/My_project/components$
```

5. Change directory to the **'scripts'** directory inside the **'source'** directory using absolute.

```
bibhuti_sigdel@Bibhuti:~$ cd /home/bibhuti_sigdel/My_project/source/scripts
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$
```

6. Change to the **'My_project'** directory using relative pathname.

```
bibhuti_sigdel@Bibhuti:~$ cd My_project
bibhuti_sigdel@Bibhuti:~/My_project$
```

7. Create a file named **'app.js'** inside the **'source/scripts'** and show the permission of the **'app.js'** only.

```
bibhuti_sigdel@Bibhuti:~$ touch My_project/source/scripts/app.js
bibhuti_sigdel@Bibhuti:~$ cd My_project/source/scripts
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ ls
app.js
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ ls -l
total 0
-rw-r--r-- 1 bibhuti_sigdel bibhuti_sigdel 0 Jan 27 14:30 app.js
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$
```

8. Remove all permissions from **'app.js'**

```
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ chmod 000 app.js
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ ls -l
total 0
---------- 1 bibhuti_sigdel bibhuti_sigdel 0 Jan 27 14:30 app.js
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$
```

9. Copy 'app.js' from the **'source/scripts'** directory to the **'public'** directory.

```
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ cp /home/bibhuti_sigdel/My_project/source/scripts/app.js /home/bibhuti_sigdel/My_project/public
cp: cannot open '/home/bibhuti_sigdel/My_project/source/scripts/app.js' for reading: Permission denied
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$
```

10. Add the appropriate permissions to **'app.js'** and move the file to **'public'** directory.

```
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ chmod 100 app.js
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ mv /home/bibhuti_sigdel/My_project/source/scripts/app.js /home/bibhuti_sigdel/My_project/public
bibhuti_sigdel@Bibhuti:~/My_project/source/scripts$ cd
bibhuti_sigdel@Bibhuti:~$ cd public
-bash: cd: public: No such file or directory
bibhuti_sigdel@Bibhuti:~$ cd My_project/public
bibhuti_sigdel@Bibhuti:~/My_project/public$ ls
app.js
bibhuti_sigdel@Bibhuti:~/My_project/public$ 
```