

String and File attributes

- 1) Explore some more attributes
  - r
  - x
  - o

### **#commands in terminal**

```
whoami
pwd
gedit empty.sh
chmod +x empty.sh
./empty.sh
```

### **#commands in shell script**

```
#!/bin/bash
file1="/home/onworks/empty.sh

if [ -x $file ];
then
    echo "The file is empty.sh is executable"
else
    echo "The file empty.sh is not executable"
fi
```

```
#!/bin/bash
file1="/home/onworks/empty.sh

if [ -r $file ];
then
    echo "The file is empty.sh is readable"
else
    echo "The file empty.sh is not readable"
fi
```

```
#!/bin/bash
file1="/home/onworks/empty.sh

if [ -o $file ];
```

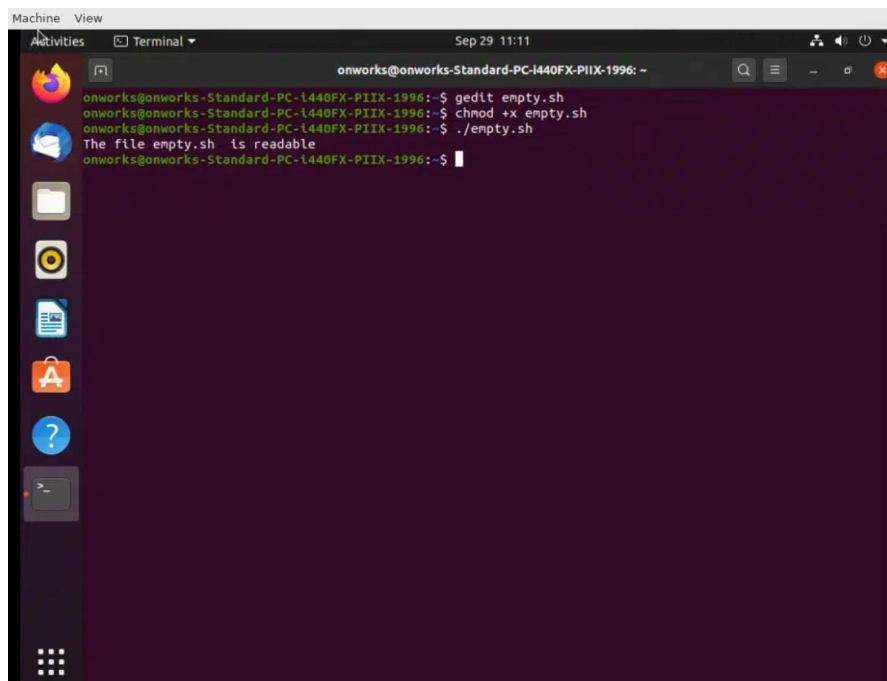
then

echo "The file empty.sh is standard output"

else

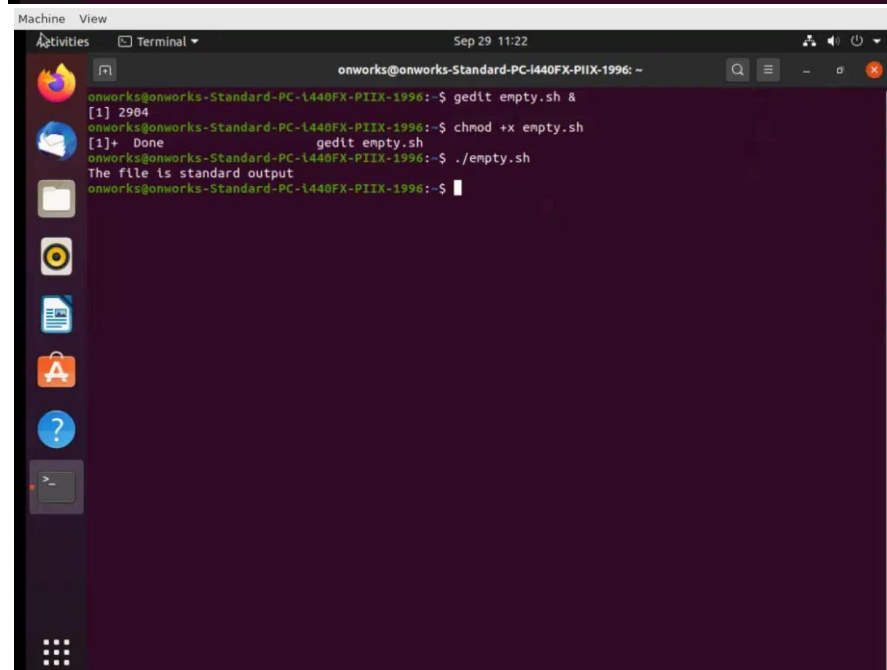
echo "The file empty.sh is not standard output"

fi



A terminal window titled "Machine View" with a date and time of "Sep 29 11:11". The prompt is "onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~". The terminal shows the following commands and output:

```
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ gedit empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ chmod +x empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ ./empty.sh
The file empty.sh is readable
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$
```



A terminal window titled "Machine View" with a date and time of "Sep 29 11:22". The prompt is "onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~". The terminal shows the following commands and output:

```
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ gedit empty.sh &
[1] 2904
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ chmod +x empty.sh
[1]+  Done                  gedit empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ ./empty.sh
The file is standard output
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$
```

Machine View

Activities Terminal Sep 29 11:08

onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~

```
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ whoami
onworks
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ pwd
/home/onworks
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ gedit empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ chmod +x empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ ./empty.sh
The file /home/onworks/empty.sh is readable
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ gedit empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ chmod +x empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ gedit empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ chmod +x empty.sh
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$ ./empty.sh
The file empty.sh is executable
onworks@onworks-Standard-PC-l440FX-PIIX-1996:~$
```

Machine View

Activities Text Editor Sep 29 11:09

empty.sh

```
1 #!/bin/bash
2
3 file1="/home/onworks/empty.sh"
4
5 if [ -x $file1 ];
6 then
7     echo "The file empty.sh is executable"
8 else
9     echo "The file empty.sh is not executable"
10 fi
11
```

sh Tab Width: 8 Ln 9, Col 26 INS

Machine View

Activities Text Editor Sep 29 11:23 empty.sh Save

```
1 #!/bin/bash
2
3 file="/home/onworks/empty.sh"
4
5 if [ -o $file ];
6 then
7     echo "The file is standard output"
8 else
9     echo "The file is not standard output"
10 fi
11
```

sh Tab Width: 8 Ln 11, Col 1 INS

Machine View

Activities Text Editor Okt 5 22:20 empty.sh Save

```
1 #!/bin/bash
2 file="/home/onworks/empty.sh"
3 if [ -r $file ];
4 then
5     echo "The file empty.sh is readable"
6 else
7     echo "The file empty.sh is not readable"
8 fi
9
```