EmbedUR - Linux Training Program

Module - 4

Assignment – 24 (String and File Attributes)

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

Output 1:

```
aswinsankesh@aswin-linux:~$ gedit fileattributes.sh &
[2] 2556
aswinsankesh@aswin-linux:~$ cat > sample.txt
this is a sample file
[2]+  Done                    gedit fileattributes.sh
aswinsankesh@aswin-linux:~$ chmod +x fileattributes.sh
aswinsankesh@aswin-linux:~$ ./fileattributes.sh
enter filenamesample.txt
File is readable
aswinsankesh@aswin-linux:~$
```

File:

```
 1 #!/bin/bash
 2
 3 read -p "enter filename" file
 4
 5 if [ -r $file ]; then
 6 echo "File is readable"
 7 else
 8 echo "File is unreadable"
 9 fi
10
11
```

Explanation:

-r => this flag is used to check whether the given filename has reading permission

Output 2:

```
aswinsankesh@aswin-linux:~$ gedit fileattributes2.sh &
[1] 2608
aswinsankesh@aswin-linux:~$ chmod +x fileattributes2.sh
aswinsankesh@aswin-linux:~$ ./fileattributes2.sh
Enter filename: testb.txt
file is not executable
aswinsankesh@aswin-linux:~$ chmod +x testb.txt
aswinsankesh@aswin-linux:~$ ./fileattributes2.sh
Enter filename: testb.txt
file is executable
aswinsankesh@aswin-linux:~$
```

File:

```
 1 #!/bin/bash
 2
 3 read -p "Enter filename: " name
 4
 5 if [ -x $name ]; then
 6 echo "file is executable"
 7 else
 8 echo "file is not executable"
 9 fi
10
```

-x => this flag is used to check whether the given file has execution permission

Output 3:

```
aswinsankesh@aswin-linux:~$ gedit fileattributes3.sh &
[2] 3074
aswinsankesh@aswin-linux:~$ chmod +x fileattributes3.sh
[2]+  Done                    gedit fileattributes3.sh
aswinsankesh@aswin-linux:~$ ./fileattributes3.sh
enter a long name: aswinsankesh
the name contains either aswin or sank
aswinsankesh@aswin-linux:~$
```

File 3:

```
 1 #!/bin/bash
 2
 3 read -p "enter a long name: " name
 4
 5 if [ "$name" -o "$USER" ]; then
 6 echo "the name contains either aswin or sank"
 7 else
 8 echo "the name doesnt contain aswin or sank"
 9 fi
10
11
```

Explanation:

-o => this flag is used to as an OR operator to compare two expressions