

# EmbedUR - Linux Training Program

## Module - 4

### Assignment – 22 (Logical Operators)

- 1) Check whether the file exists and is executable using logical operators.  
Hint:man test

Output:

```
aswinsankesh@aswin-linux:~$ gedit filetesting.sh &
[2] 2339
aswinsankesh@aswin-linux:~$ chmod +x filetesting.sh
[2]+  Done                  gedit filetesting.sh
aswinsankesh@aswin-linux:~$ ./filetesting.sh
Enter filename: test1.txt
File doesnt exist/doesnt have execute permission
aswinsankesh@aswin-linux:~$ chmod +x test1.txt
aswinsankesh@aswin-linux:~$ ./filetesting.sh
Enter filename: test1.txt
File exists and execute permission is present
aswinsankesh@aswin-linux:~$
```

File:

```
1 #!/bin/bash
2
3 read -p "Enter filename: " file
4
5
6 if [ -x $file ]; then
7     echo "File exists and execute permission is present"
8
9 else
10    echo "File doesnt exist/doesnt have execute permission"
11
12 fi
13
```

Explanation:

-x => this flag is used to check whether a given file has execution permission or not.