

Handout Review Creating Scripts – Understanding Basic Security

First Script File

1. Launch Ubuntu: Make sure that you're in YOUR **home/user** Directory.
 - a. Enter **nano test1**
 - b. Enter **#!/bin/bash**
 - c. Enter **#This is my first Linux script file**
 - d. Enter **echo "I Love Linux"**
 - e. Press **CONTROL KEY** plus Letter **O**
 - f. Press **Enter**
 - g. Then **CONTROL KEY** plus Letter **X** (will exit nano)
 - h. Enter **chmod a+x test1**
 - i. Enter **./test1**

See example below

```
#!/bin/bash
#This is my first Linux script file
echo "I love Linux"
```

Add Script File (using Variables)

2. Launch Ubuntu: Make sure that you're in YOUR **home/user** Directory.
 - a. Enter **nano add**
 - b. Enter **#!/bin/bash**
 - c. Enter **#This is a simple script to add two numbers**
 - d. Enter **sum = ((\$1+\$2))**
 - e. Enter **echo "The total is : \$sum"**
 - f. Press **CONTROL KEY** plus Letter **O**
 - g. Press **Enter**
 - h. Then **CONTROL KEY** plus Letter **X** (will exit nano)
 - i. Enter **chmod a+x add**
 - j. Enter **./add 50 100**

See below for example

```
#!/bin/bash
#This is a simple script to add two numbers
sum=$((($1+$2))
echo "The total is : $sum"
```

Copy and Read Script Files

1. Launch Ubuntu: Make sure that you're in YOUR **home/user** Directory.
 - i. Create files big.c and big.cc
 - a. Enter **echo "This is information in file big.c" > big.c**
 - b. Enter **echo "This is information in file big.cc" > big.cc**
 - c. Enter **cat big.c** *(to verify content)*
 - d. Enter **cat big.cc** *(to verify content)*
 - ii. Create the script using the following steps (use the nano text editor, the easiest!):
 - a. Type the following text: **nano cp1**
 - b. Type the following text: **#!/bin/bash**
 - c. Type the following text: **echo "Information in \$1 before copy command"**
 - d. Type the following text: **cat big.c**
 - e. Type the following text: **cp \$2 \$1**
 - f. Type the following text: **echo "=====**
 - g. Type the following text: **echo "Information in \$1 after copy command"**
 - h. Type the following text: **cat big.c**
 - i. **Press CONTROL KEY plus Letter O**
 - j. **Press Enter**
 - k. **Then CONTROL KEY plus Letter X (will exit nano)**
 - l. Enter **chmod a+x cp1**
 - m. Enter **./cp1 big.c big.cc**
 - n. Basically, the data/content from file big.cc has been copied to file big.c
 - o. Verify by using the cat command....**cat big.c** and then **cat big.cc**
2. How to read in Data
 - i. Simple readname script
 - a. **nano readname.txt**
 - b. Type the following text: **#!/bin/bash**
 - c. Type the following text: **echo "Please enter for your name"**
 - d. Type the following text: **read \$name**
 - e. Type the following text: **echo \$name**
 - f. **Repeat steps i-k from above**
 - g. Enter **chmod a+x readname.txt**
 - h. Enter **./readname.txt**