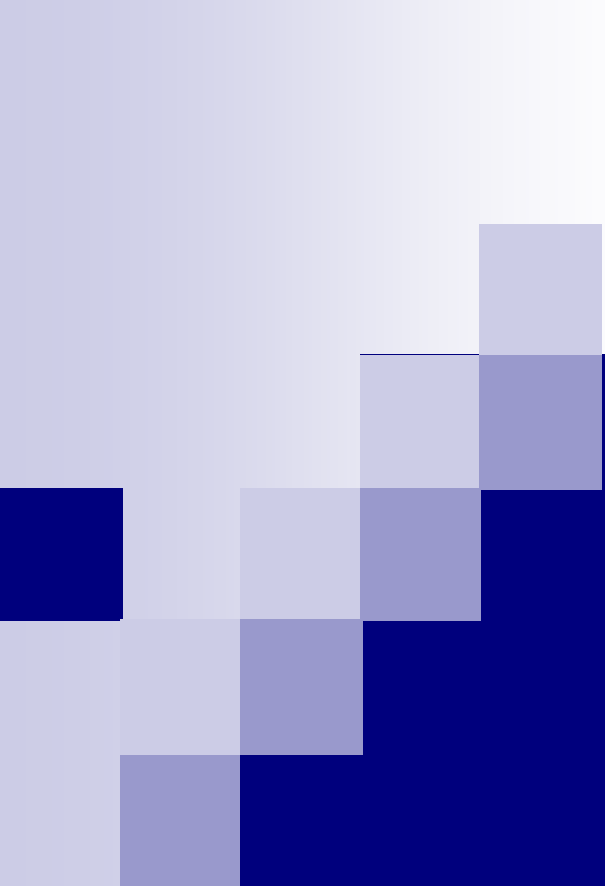




Lab 9

Shell Script

Reference:

Linux Shell Scripting Tutorial v1.05r3

A Beginner's handbook

<http://www.freeos.com/guides/lstt/index.html>

for Loop

Syntax:

for { variable name } in { list }

Do

*execute one for each item in the list until the list is not finished
(And repeat all statement between do and done)*

done

```
$ vi testfor
```

```
for NUMBER in 1 2 3 4 5
```

```
do
```

```
echo "Welcome $NUMBER times"
```

```
done
```

```
$ vi for2
```

```
LIMIT = 10
```

```
for (( i = 1 ; i <= LIMIT; i++ ))
```

```
do
```

```
    echo "Welcome $i times"
```

```
done
```

for Loop

\$ vi nestedfor

```
for (( i = 1; i <= 5; i++ ))    ### Outer for loop ###  
do  
    for (( j = 1 ; j <= 5; j++ )) ### Inner for loop ###  
    do  
        echo -n "$i "  
    done  
    echo "" ##### print the new line ###  
done
```

while loop

Syntax:

```
while [ condition ]  
do  
    command1  
    command2  
    command3  
    .. ....  
done
```

while loop

```
$ vi mtable
```

```
#Script to test while statement –  
# it display multiplication table for any number  
if [ $# -eq 0 ]  
then  
    echo "Error - Number missing form command line argument"  
exit 1  
fi  
n=$1  
i=1  
while [ $i -le 10 ]  
do  
    echo "$n * $i = `expr $i \* $n`"  
    i=`expr $i + 1`  
done
```

```
$ chmod 755 mtable
```

```
$ ./ mtable 8
```