

## Chapter 14

14.1 I used the `set` command.

14.2 The steps are:

1. Create the `ch14ex2` file that contains the two commands by using the text editor of your choice (I used the `vi` editor). Put `#!/bin/csh` in the first line of file.
2. Make the `ch14ex2` file executable by using the `chmod` command.
3. Run the script by `ch14ex2` at the shell prompt and hit the <Enter> key.

The above steps are performed in shell session below.

```
% cat ch14ex2
#!/bin/sh
date
who
% chmod +x ch14ex2
% ./ch14ex2
Sun Oct 23 23:07:14 PKT 2016
davis          pts/0          Sep  2 15:23 (:0)
sarwar         pts/2          Oct 23 23:06 (103.255.4.30)
%
```

14.3 The following session shows my work.

```
% set myname = (Syed Mansoor Sarwar)
% echo $myname
Syed Mansoor Sarwar
%
```

14.4 The following session shows my work.

```
% set myname = `echo "Hello, World!"`
% echo $myname
Hello, World!
%
```

14.5 The following session shows my work.

```
% setenv myname "`head -1`"
Syed Mansoor Sarwar
%
```

14.6 The following session shows my work.

```
% cat ch14ex6
#!/bin/csh
echo "$argv[*]"
shift
shift
```

```

echo "$argv[*]"
% ./ch14e46 Hello, World!
Hello, World!

% ./ch14ex6 One 2 three four
One 2 three four
three four
%

```

14.7 The following session shows my work.

```

% cat ch14ex7
#!/bin/csh
echo "$argv[*]"
shift
shift
echo "$argv[*]"
set argv = `who | head -1`
echo "$argv[*]"
% ./ch14ex7 Hello, World!
Hello, World!

sarwar pts/0 Sep 2 15:23 (:0)
% ./ch14ex7One 2 three four
One 2 three four
three four
sarwar pts/0 Sep 2 15:23 (:0)
%

```

14.8 No solution is needed for most of the problem. When the script is run with a directory argument, the following error message appears on the screen

```
if_demo2: argument must be an ordinary file
```

Yes, the output makes sense.

14.9 Here is the script.

```

% cat ch14ex9
#!/bin/csh
if ( $#argv != 1 ) then
    echo "Usage: $0 filename"
    exit 1
endif
set filename = "$argv[1]"
if ( -f "$filename" ) then
    set argv = `ls -l $filename`
    set owner = "$argv[3]"
    set date = "$argv[5] $argv[6], $argv[7]"
    echo "Name $filename"
    echo "Owner $owner"

```

```

        echo "Date $date"
        exit 0
    else
        echo "$0 : $filename is not a simple file."
        exit 1
    endif
%

```

14.10 Here is the script.

```

% cat ch14ex10
#!/bin/csh
if ( $#argv == 0 ) then
    echo "Usage: $0 list_of_hostnames"
    exit 1
endif
foreach host ( $argv )
    echo `ping "$host" | head -1`
end
exit 0
%

```

14.11 The following is the version of the script in 14.10 with the while statement.

```

% cat ch14ex11
#!/bin/csh
if ( $#argv == 0 ) then
    echo "Usage: $0 list_of_hostnames"
    exit 1
endif
while ( $# != 0 )
    set host="$argv[1]"
    echo `ping "$host" | head -1`
    shift
end
exit 0
%

```