

Demonstrate using the command line several files and setting the correct permissions. Create the files perm1.txt, perm2.txt, perm3.txt, and perm4.txt with one line of text in each file. Set the permissions for perm1.txt using letters in chmod to user read, group read, world read. Set the permissions for perm2.txt using letters in chmod to user read write, group read, world read. Set the permissions for perm3.txt using letters in chmod to user read, group read, world read write. Set the permissions for perm4.txt using characters in chmod to user read write execute, group read, world read.

temp : bash

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```
preuss@msctclinux:~/temp> ls -l
total 0
----- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp>
```

We have our four files. Our files are empty, in violation of the lab assignment.

temp : bash

temp : bash

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```
preuss@msctclinux:~/temp> ls -l
total 0
----- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r
chmod: missing operand after `a+r'
Try `chmod --help' for more information.
preuss@msctclinux:~/temp> chmod a+r perm1.txt
```

This gives everyone read permission to the file perm1.txt

temp : bash

temp : bash

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```
preuss@msctclinux:~/temp> ls -l
total 0
----- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r
chmod: missing operand after `a+r'
Try `chmod --help' for more information.
preuss@msctclinux:~/temp> chmod a+r perm1.txt
preuss@msctclinux:~/temp>
```

temp : bash

YaST2 Control Center @ temp : bash 07:34 pm

To return to your computer, press Ctrl+Alt.

temp : bash

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```

preuss@msctclinux:~/temp> ls -l
total 0
----- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r
chmod: missing operand after `a+r'
Try `chmod --help' for more information.
preuss@msctclinux:~/temp> chmod a+r perm1.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.t
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.t
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> █

```

We wanted to check. Owner, group and world have read permission to perm1.txt

temp : bash

temp : bash

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```

preuss@msctclinux:~/temp> ls -l
total 0
----- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm2.txt
chmod: missing operand after perm2.txt
Try `chmod --help' for more details.
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm2.txt

```

We are giving read permission to Owner, group and world.

temp : bash

temp : bash

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```

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r
chmod: missing operand after `a+r'
Try `chmod --help' for more information.
preuss@msctclinux:~/temp> chmod a+r perm1.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm2.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> █

```

We are checking our work.

temp : bash

temp : bash

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```

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r
chmod: missing operand after `a+r'
Try `chmod --help' for more information.
preuss@msctclinux:~/temp> chmod a+r perm1.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:29 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm3.txt

```

We are giving read permission to Owner, group, and world.

temp : bash

temp : bash

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chmod: missing operand after `a+r`
Try `chmod --help` for more information.

preuss@msctclinux:~/temp> chmod a+r perm1.txt

preuss@msctclinux:~/temp> ls -l

total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt

-rw-r--r-- 1 preuss users 0 perm3.txt

-rw-r--r-- 1 preuss users 0 perm4.txt

preuss@msctclinux:~/temp> chmod a+r perm5.txt

preuss@msctclinux:~/temp> ls -l

total 0
-r--r--r-- 1 preuss users 0 perm1.txt

-rw-r--r-- 1 preuss users 0 perm2.txt

-rw-r--r-- 1 preuss users 0 perm3.txt

-rw-r--r-- 1 preuss users 0 perm4.txt

preuss@msctclinux:~/temp> chmod a+r perm5.txt

preuss@msctclinux:~/temp> chmod u-w perm3.txt

preuss@msctclinux:~/temp>

We removed the write permission from user/owner.

temp : bash

YaST2 Control Center @

temp : bash

07:35 pm

temp : bash

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chmod: missing operand after `a+r'
Try `chmod --help' for more information.

preuss@msctclinux:~/temp> chmod a+r perm1.txt

preuss@msctclinux:~/temp> ls -l

total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt

-rw-r--r-- 1 preuss users 0 perm3.txt

-rw-r--r-- 1 preuss users 0 perm4.txt

preuss@msctclinux:~/temp> chmod a+r perm5.txt

preuss@msctclinux:~/temp> ls -l

total 0
-r--r--r-- 1 preuss users 0 perm1.txt

-rw-r--r-- 1 preuss users 0 perm2.txt

-rw-r--r-- 1 preuss users 0 perm3.txt

-rw-r--r-- 1 preuss users 0 perm4.txt

preuss@msctclinux:~/temp> chmod a+r perm5.txt

preuss@msctclinux:~/temp> chmod u-w perm3.txt

preuss@msctclinux:~/temp> chmod o+w perm3.txt

We gave other/world permission to write to the file.

temp : bash

YaST2 Control Center @

temp : bash

07:35 pm

temp : bash

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```

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm2.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp>

```

We are checking our work.

temp : bash

temp : bash

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```

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm2.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm3.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-r--r--rw- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm4.txt

```

We are giving Owner, group, and world read permission.

temp : bash

temp : bash

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```

-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm2.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod u+w perm2.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-r--r--rw- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm4.txt
preuss@msctclinux:~/temp> chmod u+w perm4.txt

```

We gave Owner/user the write permission.

temp : bash

temp : bash

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```

preuss@msctclinux:~/temp> chmod a+r perm2.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp> c
preuss@msctclinux:~/temp> c
preuss@msctclinux:~/temp> c
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 perm1.txt
-rw-r--r-- 1 preuss users 0 perm2.txt
-r--r--rw- 1 preuss users 0 perm3.txt
-rw-r--r-- 1 preuss users 0 perm4.txt
preuss@msctclinux:~/temp> chmod a+r perm4.txt
preuss@msctclinux:~/temp> chmod u+w perm4.txt
preuss@msctclinux:~/temp> chmod u+x perm4.txt

```

We gave Owner/user execute permission to the file.

temp : bash

temp : bash

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```

preuss@msctclinux:~/temp> chmod a+r perm3.txt
preuss@msctclinux:~/temp> chmod u-w perm3.txt
preuss@msctclinux:~/temp> chmod o+w perm3.txt
preuss@msctclinux:~/temp> ls -l
total 0
-r--r--r-- 1 preuss users 0 2010-01-25 19:28 perm1.txt
-rw-r--r-- 1 preuss users 0 2010-01-25 19:29 perm2.txt
-r--r--rw- 1 preuss users 0 2010-01-25 19:29 perm3.txt
-rwxr--r-- 1 preuss users 0 2010-01-25 19:29 perm4.txt
preuss@msctclinux:~/temp>

```

We are checking our work.

temp : bash