

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 numbers in chmod to user read, group read, world read. Set the permissions for perm2.txt using numbers in chmod to user read write, group read, world read. Set the permissions for perm3.txt using numbers in chmod to user read, group read, world read write. Set the permissions for perm4.txt using numbers in chmod to user read write execute, group read, world read.

temp : bash

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```
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>
```

These files should not be empty, otherwise they are ready for the lab.

temp : bash

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```
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> chmod 444 perm1.txt
```

We are giving Owner/user, group, world/other read permission. Remember, permissions are read, write, execute or 4,2,1.

temp : bash

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```

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
-r--r--rw- 1 preuss users 0 2010-01-25 19:29 perm3.t
-rwxr--r-- 1 preuss users 0 2010-01-25 19:29 perm4.t
preuss@msctclinux:~/temp> chmod 444 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
-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

temp : bash

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preuss@msctclinux:~/temp> ls -l

total 0

-r--r--r-- 1 preuss users 0
-rw-r--r-- 1 preuss users 0
-r--r--rw- 1 preuss users 0
-rwxr--r-- 1 preuss users 0

We are giving Owner/user read and write permission. We are giving group and world/other read permission.

preuss@msctclinux:~/temp> ch

preuss@msctclinux:~/temp> ls

total 0

-r--r--r-- 1 preuss users 0
-rw-r--r-- 1 preuss users 0
-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> chmod 644 perm2.txt

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```

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 19:28 perm2.txt
-r--r--rw- 1 preuss users 0 2010-01-25 19:28 perm3.txt
-rwxr--r-- 1 preuss users 0 2010-01-25 19:28 perm4.txt
preuss@msctclinux:~/temp>
preuss@msctclinux:~/temp>
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
-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> chmod 644 perm2.txt
preuss@msctclinux:~/temp> chmod 446 perm3.txt
preuss@msctclinux:~/temp>

```

We gave Owner/user and group read permission. We gave world/other read and write permission.

temp : bash

temp : bash

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```
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
```

We gave Owner/user read, write, execute permission. We gave group and world/other read permission.

```
preuss@msctclinux:~/temp> cd ..
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> cd ..
preuss@msctclinux:~/temp> cd ..
preuss@msctclinux:~/temp> chmod 744 perm4.txt
preuss@msctclinux:~/temp>
```

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```

-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> chmod 444 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
-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>
preuss@msctclinux:~/temp>
preuss@msctclinux:~/temp>
preuss@msctclinux:~/temp>
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