**Handout Review Creating Users\_Group and Setting Ownership and Permissions**

1. Add a new user using the Shell
   * 1. Enter **sudo useradd -m newstudent**
     2. Enter **password** for the password
     3. Type **cat /etc/passwd** to verify that newstudent user account was added to the system
     4. Can also type **grep newstudent /etc/passwd** to verify user account
     5. Note the UID and GID numbers
     6. Change the password from password to newstudent using the following command
     7. Enter **sudo passwd newstudent**
     8. Enter **newstudent** twice to confirm password update
     9. Should receive response indicating that the password has updated successfully
2. Create a new group
   * 1. Add group 1500 to the system and assign GID linuxstudents
     2. **sudo groupadd -g 1500 linuxstudents**
     3. Enter **cat /etc/group** to verify
     4. Enter **id newstudent** to view current list of groups for newstudent
3. Change ownership
   * 1. Create a file called testfile
     2. Enter **touch testfile**
     3. Enter **ls -l**
     4. Current owner is YOU, change owner to newstudent
     5. **sudo chown newstudent testfile**
     6. **ls -l** to verify new file owner
     7. Use previous command in step v to change back to YOUR user account
4. Permissions
   * 1. Enter **ls -l**
     2. Default permissions for testfile is shown as -rw-rw-r—
     3. Or the octal translation is 664
     4. Change permissions to 755 on testfile
     5. Enter **sudo chmod 755**
     6. Enter **ls -l**
     7. Permissions should no reflect the following code symbolically -rwxr-xr-x