###############################################################################  
 Managing Useradmin & Groupadmin  
################################################################################  
 Creating User Acct  
  
lrwxrwxrwx  1 root root 7 Jan  6 17:58 /usr/sbin/adduser -> useradd  
-rwxr-xr-x  1 root root 57532 Nov 24  2004 /usr/sbin/useradd  
###############################################################################  
  
  
1)  useradd   
2)  adduser   
  
useradd -c "comment" -u -g -G   
-k /etc/skel -s /bin/bash -d /ghar/sameer -f -e    
  
  
-c  = comment  
-u = User ID  
-g = primary Group Name  
-G = Seconday or Supplmentary Group Names  
-k = Skel folder path   
-s  = A default Login Shell  
-d = Home dir of a user which has to be created but if it is not created  
          then use option -m which will create that specified home folder  
-f = Inactive Days  
-e = expiry days  
  
##############################################################################  
 Modification of user accts  
  
1)  usermod -c "comment" -d /newhomedir  -e yyyy-mm-dd -f 5 -g   
-G -l -s /bin/bash -u -L -U   
  
-L = Lock a user's password  
-U = To Unlock a user's password  
-f = Inactive Days  
-l = To change a username  
###########################################################################  
 Managing User's  
1) userdel   
Note : - Simply specifying userdel command user will be deleted but it's home  
         dir will be remain in a system.  
2) userdel -r   
Note  :- To remove useracct along with it's home folder   
#############################################################################  
 Managing Groups  
  
1) groupadd    
2) groupmod -g -n   
3)  groupmod -g   
-g = GUID of an old group  
-n  = New name to an old group  
4) groupdel   
#############################################################################  
 To set a password for a user  
1) passwd   
2) passwd -l To lock a user password  
3) passwd -u To unlock a user password  
#############################################################################  
 Changing user information  
1) chfn   
#############################################################################  
 To view user Information  
1) finger   
2) finger  
#############################################################################  
 To print real & effective UID's & GID's  
1) id   
  
  
#############################################################################  
  
 Important Files of acct admin  
  
1) /etc/passwd :- User Account Information  
2) /etc/shadow :- Secure User Account Information  
3) /etc/group :- Group Information  
4) /etc/gshadow :- Secure Group Information  
5) /etc/default/useradd :- Default information use while useradd command  
6) /etc/login.defs :- System-wide settings  
7) /etc/skel :- Directory containing default files for profile  
                           It stores hidden user profile files for every user  
  
8) /etc/pam.d :- Linux PAM Directory      
  
############################################################################  
1) /etc/passwd :- User Account Information  
  
-rw-r--r--  1 root root 2628 Jan  7 14:50 /etc/passwd  
  
sameer:x:500:500:tech support:/home/sameer:/bin/bash  
   
1) sameer  :- User login name      
2) x :- User's encrypted password   
3) 500 :- UID   
4) 500 :- GID  
5) tech support :- Comment or GECOS (General Electric Comprehensive OS)  
6) /home/sameer :- Default home dir of a user   
7) /bin/bash :- Default login shell of a user  
###############################################################################  
  
2) /etc/shadow :- Secure User Account Information  
  
-r--------  1 root root 1592 Jan 10 19:03 /etc/shadow  
  
sameer:$1$kn02TpPA$vsCpJF8PE9IrsDVnhk.pR/:13158:0:99999:7:::  
  
1) sameer :- Username can be upto 8 characters case-sensitive,usually all                    lowercase  
2) $1$kn02TpPA$ :- using md5 algorithm password 13 charaters encrypted a blank                     entry (eg: :)indicates a password is not required to login                      and a "\*" indicates the account has been disabled  
    (!! means password is not set or !! encrypted password means                     password is disabled)    
3) 13158 :- The number of Days (since Jan 1 1970) since the last password                   changed   
4) 0 :- The number of days before password may be change or min                         password age or password changing frequency (0 indicates                        password  
5) 99999 :- The number of days after which password must be change                          (99999 indicates user can keep his or her password unchaged                      for many many years)    
6) 7 :- The number of days warning to a user of an expiring password                    (7 for a full week)  
7) x :- The number of days password expires & after that account will                   be disabled (Inactive days)  
8) x :- The number of days since Jan 1 , 1970 that an account has be                   disabled (day on which acct will be expire)      
  
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Note:-  usermod --append -G  sysadmin samson -----> to append the user in multiple groups