



Bond, James Bond

Log on as linuxuser

1. Using **mkdir**, create /home/bond/pre80s and /home/bond/post80s
 - a. ensure the owner:group is linuxuser:linuxuser for these two directories
 - b. permissions should be rwxr-xr-x for these two directories
2. Using **groupadd** create the following groups: bonds, pre80s, and post80s
3. Using **useradd** create the following users: daniel,timothy,pierce
 - a. Their home directories should be in the /home/bond/post80s
 - b. Their secondary groups should be post80s and bonds
 - c. Set their full name in their user record as a comment
 - d. Set their shell to /bin/bash
4. Using **useradd** create the following users: sean, george
 - a. Their home directories should be in /home/bond/pre80s
 - b. Set their full name in their user record as a comment
 - c. Their secondary group should be pre80s and bonds
 - d. Set their shell to /bin/bash
5. Using **useradd** create the following user: roger
 - a. roger should belong to bonds, pre80s and post80s
 - b. roger's home directory should be in /home/bond
 - c. Set their full name in their user record as a comment
 - d. Set their shell to /bin/bash
6. Use **passwd** to set the password to 'bond' for each user



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user (Real Name)	Movie/file
sean (Sean Connery)	/home/bond/pre80s/sean/drno-1962 /home/bond/pre80s/sean/fromrussiawithlove-1963 /home/bond/pre80s/sean/goldfinger-1964 /home/bond/pre80s/sean/thunderball-1965 /home/bond/pre80s/sean/youonlylivetwice-1967 /home/bond/pre80s/sean/diamondsareforever-1971
george (George Lazenby)	/home/bond/pre80s/george/onhermajestyssecretservice-1969
roger (Roger Moore)	/home/bond/roger/liveandletdie-1973 /home/bond/roger/manwiththegoldengun-1974 /home/bond/roger/spywholovedme-1977 /home/bond/roger/moonraker-1979 /home/bond/roger/foryoureyesonly-1981 /home/bond/roger/octopussy-1983 /home/bond/roger/aviewtoakill-1985
timothy (Timothy Dalton)	/home/bond/post80s/timothy/livingdaylights-1987 /home/bond/post80s/timothy/licencetokill-1989
pierce (Pierce Brosnan)	/home/bond/post80s/pierce/goldeneye-1995 /home/bond/post80s/pierce/tomorrowneverdies-1997 /home/bond/post80s/pierce/worldisnotenough-1999 /home/bond/post80s/pierce/dieanotherday-2002
daniel (Daniel Craig)	/home/bond/post80s/daniel/casinoroyale-2006 /home/bond/post80s/daniel/quantumofsolace-2008 /home/bond/post80s/daniel/skyfall-2012 /home/bond/post80s/daniel/spectre-2015

6. Use touch to create all of the files above
 - a. use **chown** so that each file is owned by the user and the group is post80s or pre80s according to the year the movie was released
 - b. use **chmod** to change the permissions so that owner and group have read/write to the files and others have no access (don't change the permissions on directories)



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7. `cp /scripts/themanwiththegoldengun.txt ~/`
 - a. use **mv** to move `themanwiththegoldengun.txt` to `/home/bond/roger`
 - b. use **chown** to change the owner to `roger` and the group `pre80s`
 - c. use **chmod** to change permissions to `rw-rw----`
8. Use **ln** to create a symbolic link from `/home/bond/roger` to `/home/bond/pre80s/roger` and to `/home/bond/post80s/roger`
9. Use **grep** to locate every occurrence of the word "Scaramanga" in `/home/bond/roger/themanwiththegoldengun.txt` (you should have 31 lines)
 - a. include the line number that the word occurs on in the file
 - b. count the number of occurrences by piping the output through `nl`
 - c. redirect the output to the file `/home/bond/scaramanga.txt`
10. Use **find** to locate every file that has a movie title from the 1970's in the entire `/home/bond` directory structure (you should find 5)
 - a. it doesn't matter how many characters are first
 - b. the string you are searching for is 197 followed by a single digit
 - c. redirect the output to `/home/bond/70sflicks.txt`
11. Make a directory `/home/bond/allbonds`
 - a. use `chown` to make the owner `root` and group `bonds`
 - b. use `chmod` to set sticky `gid` on the directory (`2770`)
 - c. Log in as `roger` and touch `/home/bond/allbonds/roger.txt`
 - d. Log in as `sean` and touch `/home/bond/allbonds/sean.txt`
 - e. Log in as `linuxuser` and see if you can access the files in `/home/bond/allbonds`
 - f. Check the group of each file and check if each bond would have access to the files in this directory
12. Use `du` to display the amount of space used by the `/home/bond` directory structure
 - a. It should be in human readable format
 - b. It should be summarized
 - c. redirect the output to `/home/bond/usedspace.txt`
13. Use `tar` to create a `tar.gz` (gzipped) in `/tmp`
 - a. It should contain the contents of `/home/bond` and all directories
 - b. It must be named `bondassignment.tar.gz`



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Testing

Can linuxuser get into the bond directory?

Can linuxuser get into any of the bond subdirectories?

Can linuxuser create directories/files in the bond directory?

su - roger. What directories can he get into? Can he create files? (even in bond?)

su - sean. What directories can he get into? Can he create files? (even in bond?)

Submitting

```
sudo /scripts/check-bond.sh
```



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```
tree -A /home/bond (final version)
```

```
|— 70sflicks.txt
|— allbonds
|   |— roger.txt
|   |— sean.txt
|— post80s
|   |— daniel
|   |   |— casinoroyale-2006
|   |   |— quantumofsolace-2008
|   |   |— skyfall-2012
|   |   |— spectre-2015
|   |— pierce
|   |   |— dieanotherday-2002
|   |   |— goldeneye-1995
|   |   |— tomorrowneverdies-1997
|   |   |— worldisnotenough-1999
|   |— roger -> /home/bond/roger
|   |— timothy
|   |   |— licencetokill-1989
|   |   |— livingdaylights-1987
|— pre80s
|   |— dave
|   |— george
|   |   |— onhermajestyssecretservice-1969
|   |— roger -> /home/bond/roger
|   |— sean
|   |   |— diamondsareforever-1971
|   |   |— drno-1962
|   |   |— fromrussiawithlove-1963
|   |   |— goldfinger-1964
|   |   |— thunderball-1965
|   |   |— youonlylivetwice-1967
|— roger
|   |— aviewtookill-1985
|   |— foryoureyesonly-1981
|   |— liveandletdie-1973
|   |— manwiththegoldengun-1974
|   |— moonraker-1979
|   |— octopussy-1983
|   |— roger -> /home/bond/roger
|   |— spywholovedme-1977
|   |— themanwiththegoldengun.txt
|— scaramanga.txt
|— usedspace.txt
```