file permission:

ll $(sudo find $(pwd) -mtime +30)--> Use to display files and directories that are 30 days old and their permissions

ll $(sudo find $(pwd) -type f -mtime +30)--> use to display only files and their permissions

ll $(sudo find $(pwd) -type d -mtime +30)--> use to display directories ONLY with their permissions

ll $(sudo find $(pwd) -name "\*.sh" -type f -mtime +30)--> use to filter files with the .sh extension only and their permissions

- rw- r-- r-- 1 root root 12 Jul 16 12:08 test.sh

d rwx rwx r-x 2 ubuntu ubuntu 4096 Jul 16 12:11 team3/

rwx rwx rwx = 777

u g o

r=read permission

w=write permission

x=execution permission

u go

chmod u-x filename --> removing execution permission from user

chmod u-w filename --> removing write permission

chmod u-r filename --> removing read permission

chmod ug-r filename --> removing read from both u and g

chmod uo+w filename --> adding write to user and others

chmod ugo-r filename --> removing read from all

chmod ugo+rwx filename --> adding rwx to all

chmod ugo=rwx filename --> adding rwx to all

chown $user:$group $file/$directory

chown $user $file/$directory

chown :$group $file/$directory

chown -R $user:$group $file/$directory

chown -R $user:$group $(pwd)

-rw-r--r-- 1 root root 68 Jul 16 13:15 abisola.sh

-rw-r--r-- 1 ubuntu root 68 Jul 16 13:15 abisola.sh

Variables:

-system Variables

Q: what is a variable? A variable is a replaceable entity containing a value

Q: what is a system variable? These are variables defined by the system

example USER, PATH,HOSTNAME,HOME etc

note: use the "env" command to check your environmental variables

-custom Variables

Q: what is a custom variable? these are variables defined by an admin or any user

example y=Ayo in this case 'y' is a custom variable

-special variable

Q: what is a special variable? These are variables defined by the system for shell functionalities

example $?

Q: How do you display the value of a variable?

ans: echo $variablename