**Q1. Linux Questions  
  
File Globbing**  
1. cd /ch\*

/challenge/run

Flag: pwn.college{Qwhew-YD\_OYSiottjLtVqz0wl6B.QXxIDO0wSN5QTOzEzW}  
  
2. cd /?ha??enge

/challenge/run

Flag: pwn.college{8zieQOxuzcY1dnike4b84v0pFDw.QXyIDO0wSN5QTOzEzW}

3. cd /challenge/files

/challenge/run file\_[absh]

Flag: pwn.college{MVaeb47p11QHtzXlgfLrCd9b\_WU.QXzIDO0wSN5QTOzEzW}

4. /challenge/run /challenge/files/file\_[abhs]

Flag: pwn.college{8uMtglR3-Kt-g0FupV9VCehyzbf.QX0IDO0wSN5QTOzEzW}

**5. Multiple Globs:**hacker@globbing~multiple-globs:~$ cd /challenge/files

hacker@globbing~multiple-globs:/challenge/files$ /challenge/run \*p\*  
  
Flag: pwn.college{EiC0lQSXCOGCejOpPDrlfRIKdOj.0lM3kjNxwSN5QTOzEzW}

**Piping**  
**Split-Piping stderr and stdout:**

hacker@piping~split-piping-stderr-and-stdout:~$ /challenge/hack > >( /challenge/planet ) 2> >( /challenge/the )  
  
Flag: pwn.college{wyv1IcrDGMcMs4ubgx2vIr6BQzz.QXxQDM2wSN5QTOzEzW}

**Silly Shenanigans**

**Snooping on Configurations:**

hacker@shenanigans~snooping-on-configurations:~$ cat /home/zardus/.bashrc

# ~/.bashrc: executed by bash(1) for non-login shells.

# see /usr/share/doc/bash/examples/startup-files (in the package bash-doc)

# for examples

# If not running interactively, don't do anything

case $- in

\*i\*) ;;

\*) return;;

esac

# don't put duplicate lines or lines starting with space in the history.

# See bash(1) for more options

HISTCONTROL=ignoreboth

# append to the history file, don't overwrite it

shopt -s histappend

# for setting history length see HISTSIZE and HISTFILESIZE in bash(1)

HISTSIZE=1000

HISTFILESIZE=2000

# check the window size after each command and, if necessary,

# update the values of LINES and COLUMNS.

shopt -s checkwinsize

# If set, the pattern "\*\*" used in a pathname expansion context will

# match all files and zero or more directories and subdirectories.

#shopt -s globstar

# make less more friendly for non-text input files, see lesspipe(1)

[ -x /usr/bin/lesspipe ] && eval "$(SHELL=/bin/sh lesspipe)"

# set variable identifying the chroot you work in (used in the prompt below)

if [ -z "${debian\_chroot:-}" ] && [ -r /etc/debian\_chroot ]; then

debian\_chroot=$(cat /etc/debian\_chroot)

fi

# set a fancy prompt (non-color, unless we know we "want" color)

case "$TERM" in

xterm-color|\*-256color) color\_prompt=yes;;

esac

# uncomment for a colored prompt, if the terminal has the capability; turned

# off by default to not distract the user: the focus in a terminal window

# should be on the output of commands, not on the prompt

#force\_color\_prompt=yes

if [ -n "$force\_color\_prompt" ]; then

if [ -x /usr/bin/tput ] && tput setaf 1 >&/dev/null; then

# We have color support; assume it's compliant with Ecma-48

# (ISO/IEC-6429). (Lack of such support is extremely rare, and such

# a case would tend to support setf rather than setaf.)

color\_prompt=yes

else

color\_prompt=

fi

fi

if [ "$color\_prompt" = yes ]; then

PS1='${debian\_chroot:+($debian\_chroot)}\[\033[01;32m\]\u@\h\[\033[00m\]:\[\033[01;34m\]\w\[\033[00m\]\$ '

else

PS1='${debian\_chroot:+($debian\_chroot)}\u@\h:\w\$ '

fi

unset color\_prompt force\_color\_prompt

# If this is an xterm set the title to user@host:dir

case "$TERM" in

xterm\*|rxvt\*)

PS1="\[\e]0;${debian\_chroot:+($debian\_chroot)}\u@\h: \w\a\]$PS1"

;;

\*)

;;

esac

# enable color support of ls and also add handy aliases

if [ -x /usr/bin/dircolors ]; then

test -r ~/.dircolors && eval "$(dircolors -b ~/.dircolors)" || eval "$(dircolors -b)"

alias ls='ls --color=auto'

#alias dir='dir --color=auto'

#alias vdir='vdir --color=auto'

alias grep='grep --color=auto'

alias fgrep='fgrep --color=auto'

alias egrep='egrep --color=auto'

fi

# colored GCC warnings and errors

#export GCC\_COLORS='error=01;31:warning=01;35:note=01;36:caret=01;32:locus=01:quote=01'

# some more ls aliases

alias ll='ls -alF'

alias la='ls -A'

alias l='ls -CF'

# Add an "alert" alias for long running commands. Use like so:

# sleep 10; alert

alias alert='notify-send --urgency=low -i "$([ $? = 0 ] && echo terminal || echo error)" "$(history|tail -n1|sed -e '\''s/^\s\*[0-9]\+\s\*//;s/[;&|]\s\*alert$//'\'')"'

# Alias definitions.

# You may want to put all your additions into a separate file like

# ~/.bash\_aliases, instead of adding them here directly.

# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash\_aliases ]; then

. ~/.bash\_aliases

fi

# enable programmable completion features (you don't need to enable

# this, if it's already enabled in /etc/bash.bashrc and /etc/profile

# sources /etc/bash.bashrc).

if ! shopt -oq posix; then

if [ -f /usr/share/bash-completion/bash\_completion ]; then

. /usr/share/bash-completion/bash\_completion

elif [ -f /etc/bash\_completion ]; then

. /etc/bash\_completion

fi

fi

FLAG\_GETTER\_API\_KEY=sk-1974810162

hacker@shenanigans~snooping-on-configurations:~$ grep -oP 'FLAG\_GETTER\_API\_KEY=\K.\*' /home/zardus/.bashrc

sk-1974810162

hacker@shenanigans~snooping-on-configurations:~$ echo y | flag\_getter --key "sk-1974810162"

Correct API key! Do you want me to print the flag (y/n)?

pwn.college{E2q-I7Ps5Yg6StfD-CwbS-Cuzcz.0lM0EzNxwSN5QTOzEzW}

Flag: pwn.college{E2q-I7Ps5Yg6StfD-CwbS-Cuzcz.0lM0EzNxwSN5QTOzEzW}