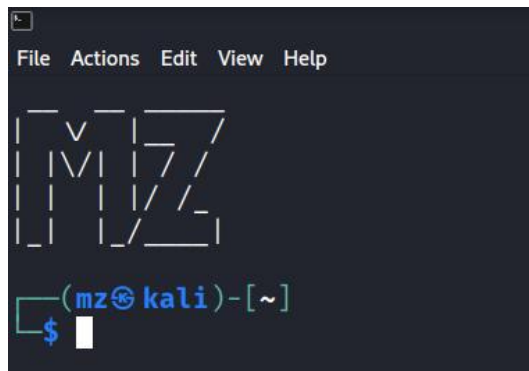**Linux Fundamentals Project**
Personal Linux

CFC 240722

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```bash
#! /bin/bash

#command for username is "whoami"

#command for Current user directory is "pwd"

#command for current shell for user is "echo $SHELL"

#find internal ip
 ## Command to find internal IP is "ifconfig"
 ### grep Broadcast and awk to filter out the IP that i needed
 ## command : ifconfig | grep broadcast | awk '{print $2}'

#find default gateway of current user
 #command to find default gate way is "route"
 ### Grep default and awk to filter out the default gate way IP
 ## Command : route | grep default | awk '{print $2}'

user=$(whoami)
echo "Username:$user"

Dir=$(pwd)
echo "Directory of Current user:$Dir"

Shell=$(echo $SHELL)
echo "Current shell language of the user:$Shell"

interIP=$(ifconfig | grep broadcast | awk '{print $2}')
echo "Internal IP of current user:$interIP"

DefaultGW=$(route | grep default | awk '{print $2}')
echo "Default Gateway of current user:$DefaultGW"
```

```
┌──(mz@kali)-[~]
└─$ bash linuxproject.sh
Username:mz


┌──(mz@kali)-[~]
└─$ whoami
mz
```

```
┌──(mz@kali)-[~]
└─$ pwd
/home/mz


┌──(mz@kali)-[~]
└─$ bash linuxproject.sh
Username:mz
Directory of Current user:/home/mz
```

```
┌──(mz@kali)-[~]
└─$ bash linuxproject.sh
Username:mz
Directory of Current user:/home/mz
Current shell language of the user:/bin/zsh
```

```
┌──(mz@kali)-[~]
└─$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.111.128  netmask 255.255.255.0  broadcast 192.168.111.255
        inet6 fe80::20c:29ff:fea6:a080  prefixlen 64  scopeid 0x20<link>
        ether 00:0c:29:a6:a0:80  txqueuelen 1000  (Ethernet)
        RX packets 29872  bytes 32936142 (31.4 MiB)
```

```
┌──(mz@kali)-[~]
└─$ ifconfig | grep broadcast
        inet 192.168.111.128  netmask 255.255.255.0  broadcast 192.168.111.255

┌──(mz@kali)-[~]
└─$ ifconfig | grep broadcast | awk '{print $2}'
192.168.111.128
```

```
┌──(mz@kali)-[~]
└─$ ifconfig | grep broadcast
        inet 192.168.111.128  netmask 255.255.255.0  broadcast 192.168.111.255

┌──(mz@kali)-[~]
└─$ ifconfig | grep broadcast | awk '{print $2}'
192.168.111.128

┌──(mz@kali)-[~]
└─$ bash linuxproject.sh
Username:mz
Directory of Current user:/home/mz
Current shell language of the user:/bin/zsh
Internal IP of current user:192.168.111.128
```

```
┌──(mz@kali)-[~]
└─$ route
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
default         192.168.111.2   0.0.0.0         UG    100    0        0 eth0
192.168.111.0   0.0.0.0         255.255.255.0   U     100    0        0 eth0

┌──(mz@kali)-[~]
└─$ route | grep default
default         192.168.111.2   0.0.0.0         UG    100    0        0 eth0

┌──(mz@kali)-[~]
└─$ route | grep default | awk '{print $2}'
192.168.111.2
```

```
┌──(mz@kali)-[~]
└─$ bash linuxproject.sh
Username:mz
Directory of Current user:/home/mz
Current shell language of the user:/bin/zsh
Internal IP of current user:192.168.111.128
Default Gateway of current user:192.168.111.2

┌──(mz@kali)-[~]
└─$
```

```
┌──(mz kali)-[~]
└─$ bash linuxproject.sh
Username:mz
Directory of Current user:/home/mz
Current shell language of the user:/bin/zsh
Internal IP of current user:192.168.111.128
Default Gateway of current user:192.168.111.2

┌──(mz kali)-[~]
└─$
```