

Name: Maimoona Khilji

Program: BS-Data Science

Operating System – Lab 10

1. Create an alias for cd /usr/bin as wr

```
s21-ds-maimoona@tamleek-vm: /usr/bin  
s21-ds-maimoona@tamleek-vm:~$ alias wr="cd /usr/bin"  
s21-ds-maimoona@tamleek-vm:~$ wr  
s21-ds-maimoona@tamleek-vm:/usr/bin$
```

2. Create an alias ctar for creating tar file, untar for restoring tar, lstar for listing tar

```
s21-ds-maimoona@tamleek-vm: ~/bsseA_permission_test  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ls  
data.txt  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias archive="tar --create --gzip --verbose --file"  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ archive tar data.txt  
data.txt  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ls  
data.txt tar  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
```

```
s21-ds-maimoona@tamleek-vm: ~/bsseA_permission_test  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias list="tar --list --verbose --file"  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ list tar  
-rw-rw-rw- s21-ds-maimoona/s21-ds-maimoona 54 2021-04-12 17:05 data.txt  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias untar="tar -xvzf"  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ untar tar  
data.txt  
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
```

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3. Create alias givex to give execute permission to a file.

```
s21-ds-maimoona@tamleek-vm: ~/bsseA_permission_test
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ls -l data.txt
-rw-rw-r-- 1 s21-ds-maimoona s21-ds-maimoona 54 17:05 12 اپریل data.txt
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias givex="chmod +x"
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ givex data.txt
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ls -l data.txt
-rwxrwxr-x 1 s21-ds-maimoona s21-ds-maimoona 54 17:05 12 اپریل data.txt
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
```

4. Create an alias takex to take execute permission from file

```
s21-ds-maimoona@tamleek-vm: ~/bsseA_permission_test
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ls -l data.txt
-rw-rw-r-- 1 s21-ds-maimoona s21-ds-maimoona 54 17:05 12 اپریل data.txt
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias takex="chmod -x"
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ takex data.txt
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ls -l data.txt
-rw-rw-r-- 1 s21-ds-maimoona s21-ds-maimoona 54 17:05 12 اپریل data.txt
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
```

5. Create an alias findmyIP to find you local IP address

```
s21-ds-maimoona@tamleek-vm: ~/bsseA_permission_test
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias findmyIP="ip a"
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ findmyIP
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:0c:29:b3:ad:87 brd ff:ff:ff:ff:ff:ff
    inet 172.16.100.86/24 brd 172.16.100.255 scope global noprefixroute ens160
        valid_lft forever preferred_lft forever
    inet6 fe80::fe17:el47:d7ff:7786/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
```

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6. Create an Alias pingg to ping google.com

```
s21-ds-maimoona@tamleek-vm: ~/bsseA_permission_test
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ alias ping="ping 8.8.8.8 -c 4"
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$ ping
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
From 172.16.100.1 icmp_seq=1 Redirect Network(New nexthop: 250.100.16.172)
64 bytes from 8.8.8.8: icmp_seq=1 ttl=110 time=40.0 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=110 time=37.6 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=110 time=37.7 ms

--- 8.8.8.8 ping statistics ---
3 packets transmitted, 3 received, +1 errors, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 37.629/38.432/39.986/1.099 ms
s21-ds-maimoona@tamleek-vm:~/bsseA_permission_test$
```