

Lab 5

File structure and hierarchy



momik@pop-os: /



```
momik@pop-os:~$ ls
```

Desktop	Kanban	Music	Templates
docker-dompose.yml.save	lab3	PhpstormProjects	test_file.md
Documents	Lab3	Pictures	Videos
Downloads	lab3.sh	Postman	'VirtualBox VMs'
iati.sql	Lab4	Public	VI

```
momik@pop-os:~$ cd ..
```

```
momik@pop-os:/home$ ls
```

```
momik  testuser
```

```
momik@pop-os:/home$ cd ..
```

```
momik@pop-os:/$ ls
```

bin	dev	home	lib32	libx32	media	opt	recovery	run	srv	tmp	var
boot	etc	lib	lib64	lost+found	mnt	proc	root	sbin	sys	usr	

```
momik@pop-os:/$
```



momik@pop-os: /bin



```
momik@pop-os:/bin$ cd /bin && ls
```

```
'['
```

```
2to3-2.7
```

```
411toppm
```

```
aa-enabled
```

```
aa-exec
```

```
aa-features-abi
```

```
ab
```

```
aclocal
```

```
aclocal-1.16
```

```
aconect
```

```
acpi_listen
```

```
add-apt-repository
```

```
addpart
```

```
addr2line
```

```
airscan-discover
```

```
alsabat
```

```
alsaloop
```

```
alsamixer
```

```
alsatplg
```

```
alsaucm
```

```
amd-ppt
```

```
amidi
```

```
amixer
```

```
momik@pop-os:/dev$ cd /dev && ls
```

autofs	mcelog	tty11	tty54	udmabuf
block	media0	tty12	tty55	uhid
bsg	mei0	tty13	tty56	uinput
btrfs-control	mem	tty14	tty57	urandom
bus	mqueue	tty15	tty58	userfaultfd
char	net	tty16	tty59	userio
console	ng0n1	tty17	tty6	v4l
core	null	tty18	tty60	vboxdrv
cpu	nvidia0	tty19	tty61	vboxdrvu
cpu_dma_latency	nvidiactl	tty2	tty62	vboxnetctl
cuse	nvidia-modeset	tty20	tty63	vboxusb
disk	nvidia-uvm	tty21	tty7	vcs
dm-0	nvidia-uvm-tools	tty22	tty8	vcs1
dma_heap	nvme0	tty23	tty9	vcs2
dri	nvme0n1	tty24	ttyprintk	vcs3
drm_dp_aux0	nvme0n1p1	tty25	ttyS0	vcs4
drm_dp_aux1	nvram	tty26	ttyS1	vcs5
ecryptfs	port	tty27	ttyS10	vcs6
fb0	ppp	tty28	ttyS11	vcs63
fd	psaux	tty29	ttyS12	vcsa
full	ptmx	tty3	ttyS13	vcsa1
fuse	pts	tty30	ttyS14	vcsa2
hpet	random	tty31	ttyS15	vcsa3



momik@pop-os: /home



```
momik@pop-os:~/dev$ cd /home && ls
```

```
momik  testuser
```

```
momik@pop-os:~/home$
```



momik@pop-os: /lib32



```
momik@pop-os:/lib32$ cd /lib32 && ls  
momik@pop-os:/lib32$
```



momik@pop-os: /libx32



```
momik@pop-os:/lib32$ cd /libx32 && ls
```

```
momik@pop-os:/libx32$
```



momik@pop-os: /media



```
momik@pop-os:/media$ cd /media && ls
```

```
momik  root
```

```
momik@pop-os:/media$
```



```
momik@pop-os:/media$ cd /opt && ls
containerd  Obsidian  PhpStorm-241.18034.69
momik@pop-os:/opt$
```



momik@pop-os: /run



```
momik@pop-os:/opt$ cd /run && ls
```

acpid.pid	docker.sock	postgresql
acpid.socket	gdm3	redis
alsa	gdm3.pid	sendsigs.omit.d
apache2	initctl	shm
avahi-daemon	initramfs	speech-dispatcher
blkid	lock	sudo
chrony	log	systemd
chrony-dhcp	lvm	thermald
console-setup	motd.d	tmpfiles.d
containerd	mount	ubuntu-fan
credentials	network	u-d-c-gpu-0000:01:00.0-0x10de-0x174d
crond.pid	NetworkManager	u-d-c-nvidia-drm-was-loaded
crond.reboot	nvidia-persistenced	u-d-c-nvidia-was-loaded
cryptsetup	nvidia-powerd.pid	udev
cups	nvidia-sleep	udisks2
dbus	openvpn	user
dmeventd-client	openvpn-client	utmp
dmeventd-server	openvpn-server	uuid
docker	php	wpa_supplicant
docker.pid	plymouth	

```
momik@pop-os:/run$
```



momik@pop-os: /srv



```
momik@pop-os:/run$ cd /srv && ls  
momik@pop-os:/srv$
```

```
momik@pop-os:/srv$ cd /tmp && ls
asynsnapshot
byteBuddyAgent17000682787923219222.jar
gdm3-config-err-xxSwG8
hsperfdata_momik
intellij-npm-info
lu137332vt18.tmp
lu66875h13ak.tmp
MozillaUpdateLock-4F96D1932A9F858E
OSL_PIPE_1000_SingleOfficeIPC_6634cf6dcaa5c79148396665d395c5e
'PHP CS Fixertemp_folder'
'PHP CS Fixertemp_folder1'
'PHP CS Fixertemp_folder10'
'PHP CS Fixertemp_folder100'
'PHP CS Fixertemp_folder1000'
'PHP CS Fixertemp_folder1009'
'PHP CS Fixertemp_folder1037'
'PHP CS Fixertemp_folder1064'
'PHP CS Fixertemp_folder1067'
'PHP CS Fixertemp_folder1069'
'PHP CS Fixertemp_folder108'
'PHP CS Fixertemp_folder1085'
'PHP CS Fixertemp_folder1086'
'PHP CS Fixertemp_folder11'
```

```
momik@pop-os:/tmp$ cd /var && ls
```

```
backups  crash  local  log  metrics  run  tmp  
cache    lib    lock   mail opt    spool www
```

```
momik@pop-os:/var$
```



momik@pop-os: /boot



```
momik@pop-os:/var$ cd /boot && ls
config-6.9.3-76060903-generic
efi
initrd.img
initrd.img-6.6.10-76060610-generic
initrd.img-6.9.3-76060903-generic
initrd.img-6.9.3-76060903-generic.dpkg-bak
initrd.img-6.9.3-76060903-generic.new
initrd.img.old
System.map-6.9.3-76060903-generic
vmlinuz
vmlinuz-6.9.3-76060903-generic
vmlinuz.old
momik@pop-os:/boot$
```



momik@pop-os: /etc



```
momik@pop-os:/boot$ cd /etc && ls
acpi                               hosts.allow                       postgresql
adduser.conf                      hosts.deny                       postgresql-common
alsa                               ifplugd                         ppp
alternatives                     ImageMagick-6                   prime-discrete
apache2                           init                             profile
apg.conf                         init.d                          profile.d
apm                               initramfs                       protocols
apparmor                         initramfs-tools                pulse
apparmor.d                      inputrc                         python2.7
appport                          insserv.conf.d                 python3
appstream.conf                  io.elementary.appcenter        python3.10
apt                              ipp-usb                        rc0.d
avahi                            iproute2                       rc1.d
bash.bashrc                      issue                           rc2.d
bash_completion                 issue.diverted                  rc3.d
bash_completion.d               issue.net                       rc4.d
bindresvport.blacklist          issue.net.diverted              rc5.d
binfmt.d                        kernel                          rc6.d
bluetooth                       kernelstub                      rcS.d
brlapi.key                      keyutils                       redis
brltty                          ld.so.cache                    request-key.conf
brltty.conf                     ld.so.conf                     request-key.d
ca-certificates                 ld.so.conf.d                   resolv.conf
```




momik@pop-os: /lib



```
momik@pop-os:/etc$ cd /lib && ls
```

apache2

apg

apparmor

apt

aspell

bfd-plugins

binfmt.d

bluetooth

bridge-utils

brltty

cargo

cgi-bin

cnf-update-db

command-not-found

compat-ld

console-setup

cpp

crda

cryptsetup

cups

dbus-1.0

dkms

dpkg

libreoffice

libresid-builder.so.0

libresid-builder.so.0.0.1

libs76_hidpi_widget.so

libs76_hidpi_widget.so.0

libsidplay2.so.1

libsidplay2.so.1.0.1

linux

linux-sound-base

llvm-11

locale

lp_solve

lsb

man-db

mime

modprobe.d

modules

modules-load.d

mozilla

netplan

networkd-dispatcher

NetworkManager

nvidia



momik@pop-os: /lib64



```
momik@pop-os:/lib$ cd /lib64 && ls
```

```
ld-linux-x86-64.so.2
```

```
momik@pop-os:/lib64$
```

```
momik@pop-os:/lib64$ cd /mnt && ls
```

```
ssd2
```

```
momik@pop-os:/mnt$
```

```
momik@pop-os:/mnt$ cd /proc && ls
```

1	20	2848	3328	3857	516	64264	7298	iomem
1008	207	2865	3331	39	517	643	730	ioports
1009	2087	2867	3335	4	52	647	731	irq
1010	2093	28934	3338	40	52367	64768	74	kallsyms
1011	21	29	3339	4066	52391	64769	75	kcore
1012	2110	2921	3342	41	529	64835	792	keys
1013	2131	3	3343	41329	53	649	795	key-users
102	22	30	3345	42	53108	65	804	kmsg
1061	23	305	3349	43024	53659	65017	814	kpagecgroup
1075	2307	3062	3359	44	53675	651	825	kpagecount
11	2330	3067	3360	44301	538	65295	826	kpageflags
1144	23777	3068	3365	447	54475	653	8374	latency_stats
1157	24	3082	33711	45	55	655	84	loadavg
12	24658	3091	33713	45098	55497	65626	843	locks
123	24700	3099	33719	45101	57056	657	844	mdstat
127	25	31	33722	45121	57542	65761	845	meminfo
1277	250	3101	33728	458	58	66	873	misc
13	251	3131	33730	46365	58428	660	881	modules
137	25293	3186	3377	464	59	66086	899	mounts
13882	25301	3189	3378	465	6	66255	9	mtrr
13898	25302	3198	339	466	60	663	901	net
14	25304	32029	34	46898	60629	66478	906	pagetypeinfo
15	25326	3204	3403	47	60844	665	91	partitions

```
momik@pop-os:/proc$ cd /sbin && ls
```

a2disconf	groupmems	pvscan
a2dismod	groupmod	pwck
a2dibsite	grpck	pwconv
a2enconf	grpconv	pwunconv
a2enmod	grpunconv	pythoncalls-bpfcc
a2ensite	halt	pythonflow-bpfcc
a2query	hardirqs-bpfcc	pythongc-bpfcc
aa-remove-unknown	httxt2dbm	pythonstat-bpfcc
aa-status	hwclock	rarp
aa-teardown	iconvconfig	readahead-bpfcc
accessdb	icupkg	readprofile
acpid	ifconfig	reboot
addgnupghome	ifdown	recvtty
addgroup	ifquery	remove-default-ispell
add-shell	ifup	remove-default-wordlist
adduser	init	remove-shell
agetty	inject-bpfcc	request-key
alsa	insmod	reset-trace-bpfcc
alsabat-test	installkernel	resize2fs
alsactl	install-sgmlcatalog	resolvconf
alsa-info	integritysetup	rftkill
apache2	invoke-rc.d	rmmod
apache2ctl	ip	rmt



momik@pop-os: /sys



```
momik@pop-os:/sbin$ cd /sys && ls
```

```
block  class  devices  fs        kernel  power
bus    dev     firmware hypervisor module
```

```
momik@pop-os:/sys$
```



momik@pop-os: /usr



```
momik@pop-os:/sys$ cd /usr && ls
```

```
bin      include  lib32    libexec  local    share  
games    lib      lib64    libx32   sbin     src
```

```
momik@pop-os:/usr$
```