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Reg # 2023-SE-038

LAB # 06

TASK # 01

Set a root password (Ubuntu root is disabled by default; this enables su - temporarily for the lab)

```
fatima@fatima:~$ sudo passwd root
[sudo] password for fatima:
New password:
Retype new password:
passwd: password updated successfully
```

Switch to root and verify

```
fatima@fatima:~$ su -
Password:
root@fatima:~# whoami
root
root@fatima:~# id
uid=0(root) gid=0(root) groups=0(root)
```

Switch back to your normal user:

```
root@fatima:~# exit
logout
fatima@fatima:~$ whoami
fatima
fatima@fatima:~$
```

TASK # 02

Create user tom

```
fatima@fatima:~$ sudo adduser tom
[sudo] password for fatima:
info: Adding user 'tom' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group 'tom' (1001) ...
info: Adding new user 'tom' (1001) with group 'tom (1001)' ..
info: Creating home directory '/home/tom' ...
info: Copying files from '/etc/skel' ...
New password:
Retype new password:
Sorry, passwords do not match.
passwd: Authentication token manipulation error
passwd: password unchanged
Try again? [y/N] y
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for tom
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n]
info: Adding new user 'tom' to supplemental / extra groups 'u
info: Adding user 'tom' to group 'users'
```

Verify tom in system files (view and visually confirm presence):

```
fatima@fatima:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
systemd-timesync:x:997:997:systemd Time Synchronization:/:/usr/sbin/nologin
dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false
messagebus:x:101:102::/nonexistent:/usr/sbin/nologin
systemd-resolve:x:992:992:systemd Resolver:/:/usr/sbin/nologin
pollinate:x:102:1::/var/cache/pollinate:/bin/false
polkitd:x:991:991:User for polkitd:/:/usr/sbin/nologin
syslog:x:103:104::/nonexistent:/usr/sbin/nologin
uidd:x:104:105::/run/uidd:/usr/sbin/nologin
tcpdump:x:105:107::/nonexistent:/usr/sbin/nologin
tss:x:106:108:TPM software stack,,,:/var/lib/tpm:/bin/false
landscape:x:107:109::/var/lib/landscape:/usr/sbin/nologin
fwupd-refresh:x:989:989:Firmware update daemon:/var/lib/fwupd:/usr/sbin/nologin
usbmux:x:108:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
sshd:x:109:65534::/run/sshd:/usr/sbin/nologin
fatima:x:1000:1000:fatima:/home/fatima:/bin/bash
tom:x:1001:1001::/home/tom:/bin/bash
```

```
fatima@fatima:~$ cat /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:syslog,fatima
tty:x:5:
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:
fax:x:21:
voice:x:22:
cdrom:x:24:fatima
floppy:x:25:
tape:x:26:
sudo:x:27:fatima
audio:x:29:
dip:x:30:fatima
www-data:x:33:
backup:x:34:
operator:x:37:
list:x:38:
irc:x:39:
src:x:40:
shadow:x:42:
utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:fatima
staff:x:50:
games:x:60:
users:x:100:tom
```

```
fatima@fatima:~$ sudo cat /etc/shadow
[sudo] password for fatima:
root:$y$j9T$iJ9IXUpdIwqbw/9js9wCR.$PkayRL8CjB5PPE.o5ENrVGxBei8C7qtJx/D86RVXmbB:20398:0:99999:7:::
daemon:*:20305:0:99999:7:::
bin:*:20305:0:99999:7:::
sys:*:20305:0:99999:7:::
sync:*:20305:0:99999:7:::
games:*:20305:0:99999:7:::
man:*:20305:0:99999:7:::
lp:*:20305:0:99999:7:::
mail:*:20305:0:99999:7:::
news:*:20305:0:99999:7:::
uucp:*:20305:0:99999:7:::
proxy:*:20305:0:99999:7:::
www-data:*:20305:0:99999:7:::
backup:*:20305:0:99999:7:::
list:*:20305:0:99999:7:::
irc:*:20305:0:99999:7:::
_apt:*:20305:0:99999:7:::
nobody:*:20305:0:99999:7:::
systemd-network:*:20305:0:99999:7:::
systemd-timesync:*:20305:0:99999:7:::
dhcpcd:*:20305:0:99999:7:::
messagebus:*:20305:0:99999:7:::
systemd-resolve:*:20305:0:99999:7:::
pollinate:*:20305:0:99999:7:::
polkitd:*:20305:0:99999:7:::
syslog:*:20305:0:99999:7:::
uidd:*:20305:0:99999:7:::
tcpdump:*:20305:0:99999:7:::
tss:*:20305:0:99999:7:::
landscape:*:20305:0:99999:7:::
fwupd-refresh:*:20305:0:99999:7:::
usbmux:*:20305:0:99999:7:::
sshd:*:20305:0:99999:7:::
fatima:$6$Phs5eErgSQMTV5H$mIMW4SMwDtl6BNlfqbNBFnH2JK.8jbKnV/ZQwHapPBBQ/MSVBodOGhrVc8QQCoqit6ysasYPbl2395dH3El0B.:20398:0:99999:7:::
tom:$y$j9T$Q7np3C8Fc3n00eJiuIP5l0$dKMZuKqKQRPURfbCZMv5U8AixsYL.sp.9wUfoUo2:20398:0:99999:7:::
```

Task 3 – Create groups; change tom’s primary and secondary groups Create groups and verify by viewing /etc/group (visually confirm entries exist):

```
uidd:x:105:
rdma:x:106:
tcpdump:x:107:
tss:x:108:
landscape:x:109:
fwupd-refresh:x:989:
fatima:x:1000:
tom:x:1001:
developer:x:1002:
devops:x:1003:
designer:x:1004:
```

Change tom’s primary group to designer and verify:

```
fatima@fatima:~$ sudo usermod -g designer tom
fatima@fatima:~$ id tom
uid=1001(tom) gid=1004(designer) groups=1004(designer),100(users)
```

Add secondary groups developer and devops to tom and verify:

```
fatima@fatima:~$ sudo usermod -aG developer,devops tom
fatima@fatima:~$ id tom
uid=1001(tom) gid=1004(designer) groups=1004(designer),100(users),1002(developer),1003(devops)
fatima@fatima:~$ groups tom
tom : designer users developer devops
```

Replace all secondary groups so only tom (user’s own group) remains and verify

```
fatima@fatima:~$ sudo usermod -G tom tom
fatima@fatima:~$ id tom
uid=1001(tom) gid=1004(designer) groups=1004(designer),1001(tom)
fatima@fatima:~$ groups tom
tom : designer tom
```

Task 4 – Create/delete users (Jerry, Scooby) and groups (jolly, anime)

Create users:

```
fatima@fatima:~$ sudo adduser Jerry
err: Please enter a username matching the regular expression
      configured via the NAME_REGEX configuration variable. Use the
      '--allow-bad-names' option to relax this check or reconfigure
      NAME_REGEX in configuration.
fatima@fatima:~$ sudo useradd Scooby
```

Try to log in as Scooby immediately (expected authentication failure because there is no password yet)

```
fatima@fatima:~$ su - Scooby
Password:
su: Authentication failure
```

Set a password for Scooby

```
fatima@fatima:~$ sudo passwd Scooby
New password:
Retype new password:
passwd: password updated successfully
```

```
fatima@fatima:~$ su - Scooby
Password:
su: warning: cannot change directory to /home/Scooby: No such file or directory
```

```
fatima@fatima:~$ cat /etc/passwd
fatima:x:1000:1000:fatima:/home/fatima:/bin/bash
tom:x:1001:1004:::/home/tom:/bin/bash
Scooby:x:1002:1005::/home/Scooby:/bin/sh
fatima@fatima:~$ ls -ld /home/Scooby
ls: cannot access '/home/Scooby': No such file or directory
```

```
fatima@fatima:~$ sudo mkdir -p /home/Scooby
fatima@fatima:~$ sudo chown Scooby:Scooby /home/Scooby
fatima@fatima:~$ sudo chmod 750 /home/Scooby
fatima@fatima:~$ ls -ld /home/Scooby
drwxr-x--- 2 Scooby Scooby 4096 Nov  6 14:54 /home/Scooby
```

```
fatima@fatima:~$ su - Scooby
Password:
$ pwd
/home/Scooby
$ ls -la
total 8
drwxr-x--- 2 Scooby Scooby 4096 Nov  6 14:54 .
drwxr-xr-x 5 root    root   4096 Nov  6 14:54 ..
```

```
uuid:x:104:105::/run/uuid:/usr/sbin/nologin
tcpdump:x:105:107::/nonexistent:/usr/sbin/nologin
tss:x:106:108:TPM software stack,,,:/var/lib/tpm:/bin/false
landscape:x:107:109::/var/lib/landscape:/usr/sbin/nologin
fwupd-refresh:x:989:989:Firmware update daemon:/var/lib/fwupd:/usr/sbin/nologin
usbmux:x:108:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
sshd:x:109:65534::/run/sshd:/usr/sbin/nologin
fatima:x:1000:1000:fatima:/home/fatima:/bin/bash
tom:x:1001:1004:::/home/tom:/bin/bash
Scooby:x:1002:1005::/home/Scooby:/bin/sh
```

```
fatima@fatima:~$ sudo usermod -s /bin/bash Scooby
fatima@fatima:~$ su - Scooby
Password:
Scooby@fatima:~$ |
```

TASK # 05


```
fatima@fatima:~$ sudo useradd student
```

```
fatima@fatima:~$ su - student
Password:
$ touch file1
$ mkdir -p dir1
$ touch dir1/file2
$ ls -l
total 4
drwxrwxr-x 2 student student 4096 Nov  6 15:17 dir1
-rw-rw-r-- 1 student student   0 Nov  6 15:16 file1
```

```
$ sudo chgrp devops file1
$ ls -l file1
-rw-rw-r-- 1 tom devops 0 Nov  6 15:16 file1
```

```
$ ls -l file1
-rw-rw-r-- 1 tom devops 0 Nov  6 15:16 file1
$ ls -l
total 4
drwxrwxr-x 2 student student 4096 Nov  6 15:17 dir1
-rw-rw-r-- 1 tom      devops    0 Nov  6 15:16 file1
$ ls -l dir1
total 0
-rw-rw-r-- 1 student student 0 Nov  6 15:17 file2
$ ls il /dev/null
ls: cannot access 'il': No such file or directory
/dev/null
$ ls -l /dev/null
crw-rw-rw- 1 root root 1, 3 Nov  6 11:44 /dev/null
$ file file1 dir1 /dev/null
file1:      empty
dir1:       directory
/dev/null:  character special (1/3)
```

```
$ exit
fatima@fatima:~$ |
```

TASK #06

```
fatima@fatima:~$ su - student
Password:
$ cd ~
$ ls -l file1
-rw-rw-r-- 1 tom devops 0 Nov  6 15:16 file1
```

```
$ sudo chmod -rwx file1
[sudo] password for student:
chmod: file1: new permissions are ---w---, not -----
$ ls -l file1
---w--- 1 tom devops 0 Nov  6 15:16 file1
```

```
$ sudo chmod +r file1
$ ls -l file1
-r--rw-r-- 1 tom devops 0 Nov  6 15:16 file1
```

```
$ sudo chmod u+x file1
$ ls -l file1
-r-xrw-r-- 1 tom devops 0 Nov  6 15:16 file1
```

```
$ sudo chmod ugo-rwx file1
$ ls -l file1
----- 1 tom devops 0 Nov  6 15:16 file1
```

TASK # 07

```
fatima@fatima:~$ su - student
Password:
$ cd ~
$ ls -l file1
----- 1 tom devops 0 Nov  6 15:16 file1
$ |
```

```
$ sudo chmod ugo=rwx file1
$ ls -l file1
-rwxrwxrwx 1 tom devops 0 Nov  6 15:16 file1
$
```

```
$ sudo chmod go=rw file1
$ ls -l file1
-rwxrw-rw- 1 tom devops 0 Nov  6 15:16 file1
$
```

```
$ sudo chmod ugo= file1
$ ls -l file1
----- 1 tom devops 0 Nov  6 15:16 file1
$
```

Task # 08

```
fatima@fatima:~$ su - student
Password:
$ cd ~
$ ls -l file1
----- 1 tom devops 0 Nov  6 15:16 file1
$ |
```

```
$ sudo chmod 777 file1
$ ls -l file1
-rwxrwxrwx 1 tom devops 0 Nov  6 15:16 file1
```

```
$ sudo chmod 700 file1
$ ls -l file1
-rwx----- 1 tom devops 0 Nov  6 15:16 file1
$ |
```

```
$ sudo chmod 744 file1
$ ls -l file1
-rwxr--r-- 1 tom devops 0 Nov  6 15:16 file1
$ |
```

Task # 09

```
$ sudo cat /var/log/syslog | less
$
```

```
$ sudo cat /var/log/syslog | more
2025-11-06T11:45:41.588489+00:00 fatima systemd-modules-load[463]: Inserted module 'msr'
2025-11-06T11:45:41.589229+00:00 fatima systemd-modules-load[463]: Inserted module 'dm_multipath'
2025-11-06T11:45:41.589256+00:00 fatima lvm[446]: 1 logical volume(s) in volume group "ubuntu-vg" monitored
2025-11-06T11:45:41.589269+00:00 fatima systemd[1]: Starting systemd-journal-flush.service - Flush Journal to Persistent Storage...
```

```
$ sudo grep -E 'fail|error' /var/log/syslog | head
2025-11-06T11:45:41.589296+00:00 fatima multipathd[481]: sda: failed to get udev uid: No data available
2025-11-06T11:45:41.589488+00:00 fatima multipathd[481]: sda: failed to get sysfs uid: No such file or directory
2025-11-06T11:45:41.589496+00:00 fatima multipathd[481]: sda: failed to get sgio uid: No such file or directory
2025-11-06T11:45:41.589507+00:00 fatima multipathd[481]: sda: failed to get udev uid: No data available
2025-11-06T11:45:41.589518+00:00 fatima multipathd[481]: sda: failed to get path uid
2025-11-06T11:45:41.589540+00:00 fatima multipathd[481]: uevent trigger error
2025-11-06T11:45:41.590211+00:00 fatima multipathd[481]: sda: failed to get sysfs uid: No such file or directory
2025-11-06T11:45:41.590234+00:00 fatima multipathd[481]: sda: failed to get sgio uid: No such file or directory
2025-11-06T11:45:41.590246+00:00 fatima multipathd[481]: sda: failed to get udev uid: No data available
2025-11-06T11:45:41.590256+00:00 fatima multipathd[481]: sda: failed to get path uid
```

```
$ sudo grep -i systemd /var/log/syslog > ~/syslog_systemd.txt
```

```
$ sudo journalctl | less
$ sudo journalctl -u systemd | grep -i error > ~/journal_errors.txt
```

Task # 10

```
fatima@fatima: ~
#!/bin/bash
# Define and show var1
var1="Hello from Lab 6"
echo "var1: $var1"
```

```
fatima@fatima:~$ vim setup.sh
fatima@fatima:~$ ./setup.sh
-bash: ./setup.sh: No such file or directory
fatima@fatima:~$ ./setup.sh
-bash: ./setup.sh: Permission denied
fatima@fatima:~$ ls -l setup.sh
-rw-rw-r-- 1 fatima fatima 96 Nov  6 18:56 setup.sh
fatima@fatima:~$ chmod +x setup.sh
fatima@fatima:~$ ls -l setup.sh
-rwxrwxr-x 1 fatima fatima 96 Nov  6 18:56 setup.sh
fatima@fatima:~$ ./setup.sh
var1: Hello from Lab 6
./setup.sh: line 5: /home/fatima: Is a directory
./setup.sh: line 6: /home/fatima: Is a directory
./setup.sh: line 7: -: command not found
```

```
# Directory check
if [ -d "dir1" ]; then
    echo "Directory dir1 exists."
else
    echo "Directory dir1 does not exist. Creating..."
    mkdir -p "dir1"
    echo "Directory dir1 created."
fi
```

```
fatima@fatima:~$ vim setup.sh
fatima@fatima:~$ ./setup.sh
Directory dir1 does not exist. Creating...
Directory dir1 created.
fatima@fatima:~$
```

Task # 11

```
fatima@fatima: ~
#!/bin/bash
num=$1
str=$2
```

```
fatima@fatima:~$ cd ~
fatima@fatima:~$ vim setup.sh
fatima@fatima:~$ chmod +x setup.sh
fatima@fatima:~$ ./setup.sh 10 student
```

```
if [ "$num" -eq 10 ]; then
    echo "$num is equal to 10 (-eq)."
```

```
fatima@fatima:~$ vim setup.sh
fatima@fatima:~$ ./setup.sh 10 student
./setup.sh: line 1: [: : integer expression expected
is NOT equal to 10 (-eq).
fatima@fatima:~$ vim setup.sh
fatima@fatima:~$ ./setup.sh 7 student
./setup.sh: line 1: [: : integer expression expected
is NOT equal to 10 (-eq).
```

```
if [ -z "$str" ]; then
    echo "Second argument is empty (zero-length)."
```

```
fatima@fatima:~$ ./setup.sh
Second argument is empty (zero-length).
fatima@fatima:~$
```

Task # 12


```
fatima@fatima: ~  
#!/bin/bash  
# Script to demonstrate printing all user-entered arguments using $*  
~  
~  
~
```

```
fatima@fatima:~$ vim setup.sh  
fatima@fatima:~$ ./setup.sh  
fatima@fatima:~$ |
```

```
fatima@fatima: ~  
# Print all arguments using $*  
echo "Printing all arguments using \${*}:"  
for arg in $*; do  
    echo "Argument: $arg"  
done
```

```
fatima@fatima:~$ vim setup.sh  
fatima@fatima:~$ ./setup.sh  
Printing all arguments using $*:  
fatima@fatima:~$ ./setup.sh one "two words" three  
Printing all arguments using $*:  
Argument: one  
Argument: two  
Argument: words  
Argument: three  
fatima@fatima:~$ |
```

Task # 14

Fork into your account

fatimahkashif / fatimahkashif

Code Pull requests Actions Projects Wiki Security Insights Settings

fatimahkashif Public
forked from WaqasSaleem97/UbuntuMachine

main 1 Branch 0 Tags

This branch is up to date with WaqasSaleem97/UbuntuMachine:main

240438 Adding the stop script 5a1f77d · last week 3 Commits

File	Commit Message	Time
README.md	Initial commit	2 weeks ago
start-desktop.sh	Adding the stop script	last week
stop-desktop.sh	Adding the stop script	last week

README

About

No description, website, or

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

Opening codespace

fatimahkashif

EXPLORER

FATIMAKASHIF

CHAT

Build with ag

Let's get sta

Add context (#), extension

Build Workspace

AI responses may be

PROBLEMS OUTPUT TERMINAL PORTS

Exexuting command

```
@fatimahkashif →/workspaces/fatimahkashif (main) $ ls -l start-desktop.sh stop-desktop.sh
-rwxrwxrwx 1 codespace root 1333 Nov  6 19:40 start-desktop.sh
-rwxrwxrwx 1 codespace root  428 Nov  6 19:40 stop-desktop.sh
@fatimahkashif →/workspaces/fatimahkashif (main) $
```

```

@fatimahkashif →/workspaces/fatimahkashif (main) $ chmod +x start-desktop.sh
@fatimahkashif →/workspaces/fatimahkashif (main) $ ./start-desktop.sh
[*] Updating system and installing dependencies...
Get:1 https://dl.yarnpkg.com/debian stable InRelease
Get:2 https://repo.anaconda.com/pkg/misc/debrepo/conda stable InRelease [3961 B]
Get:3 https://repo.anaconda.com/pkg/misc/debrepo/conda stable/main amd64 Packages [4557 B]
Get:4 http://archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:5 https://dl.yarnpkg.com/debian stable/main all Packages [11.8 kB]
Get:6 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease [364 B]
Get:7 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble/main all Packages [643 B]
Get:8 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble/main amd64 Packages [66.5 kB]
Get:9 https://dl.yarnpkg.com/debian stable/main amd64 Packages [11.8 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [117 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [1170 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [331 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble/main amd64 Packages [1808 kB]
Get:17 http://archive.ubuntu.com/ubuntu noble/universe amd64 Packages [19.3 MB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [2703 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [33.1 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1639 kB]
Get:21 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1939 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [2005 kB]
0

```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

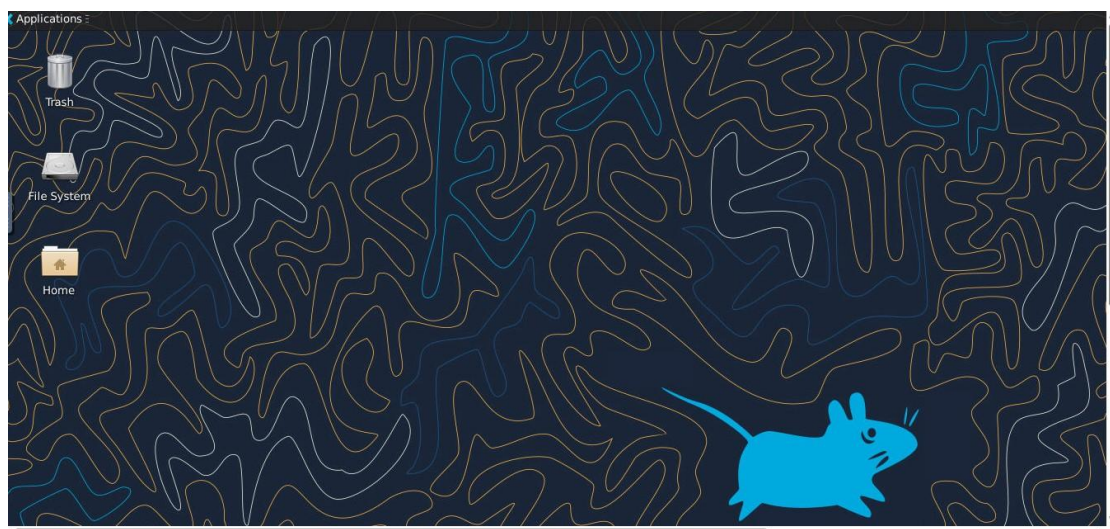
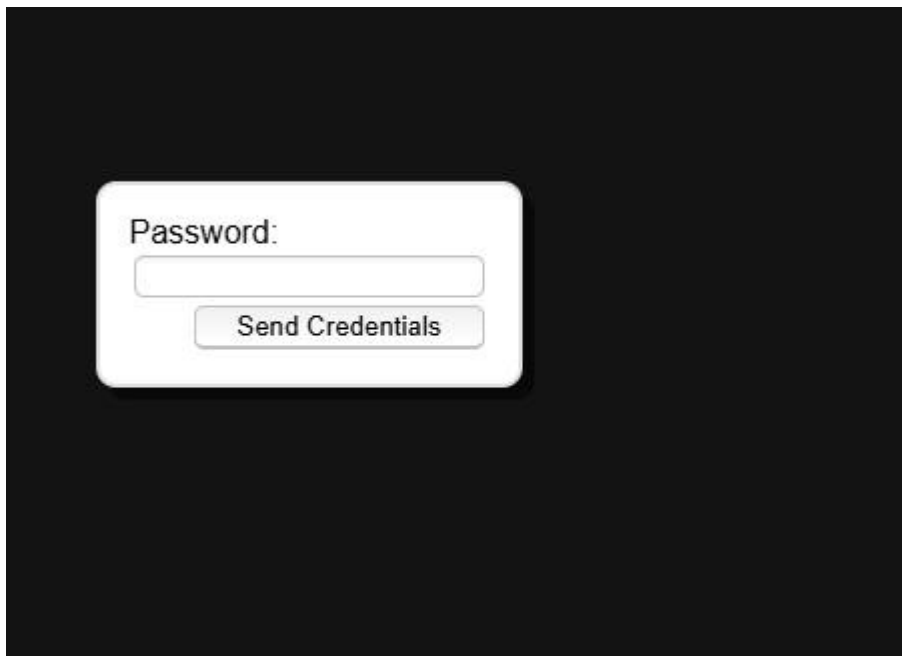
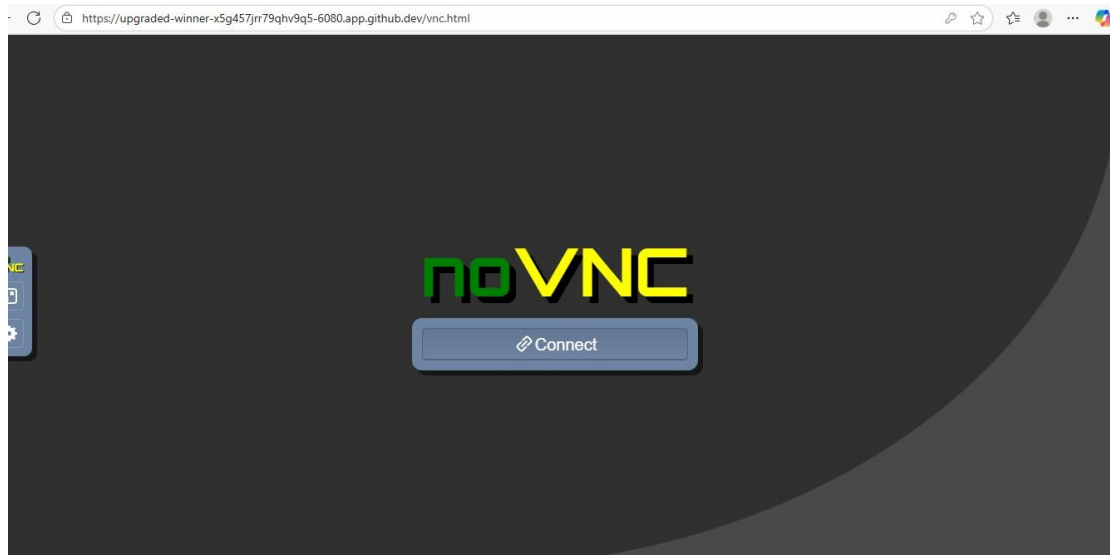
PORTS 3

×

Port	Forwarded Add...	Running Process	Visibility	Origin
5900	https://upgraded...	x11vnc -display :1 -rfbauth /h...	Private	Auto Forwarded
5901	https://upgraded...	x11vnc -display :1 -rfbauth /h...	Private	Auto Forwarded
6080	https://upgraded...	/usr/bin/python3 /usr/bin/we...	Private	Auto Forwarded
Add Port				

https://upgraded-winner-x5g457jrr79qhv9q5-6080.app.github.dev/vnc.html





Stopping setup

```
● @fatimahkashif → /workspaces/fatimahkashif (main) $ ./stop-desktop.sh
[*] Stopping noVNC server...

Terminating WebSockets proxy (23988)
[*] Stopping x11vnc server...
In exit
caught signal: 15
06/11/2025 20:10:35 deleted 60 tile_row polling images.
[*] Stopping XFCE desktop session...
[*] Stopping virtual X server (Xvfb)...
[✓] All services stopped.

(xfce4-power-manager:23817): libxfce4ui-WARNING **: 20:10:35.131: ICE I/O Error

(xfce4-power-manager:23817): libxfce4ui-WARNING **: 20:10:35.131: Disconnected from session manager.

(xfce4-panel:23789): libxfce4ui-WARNING **: 20:10:35.132: ICE I/O Error

(xfce4-panel:23789): libxfce4ui-WARNING **: 20:10:35.135: Disconnected from session manager.
```