

TUGAS SHELL LINUX

“Disusun dalam rangka memenuhi salah satu tugas kelompok pada mata kuliah Sistem Operasi
Oleh Dosen Candrasena Setiadi, ST., M.MT”



Disusun oleh:

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JURUSAN TEKNOLOGI INFORMASI

PRODI D-IV TEKNIK INFORMATIKA

POLITEKNIK NEGERI MALANG

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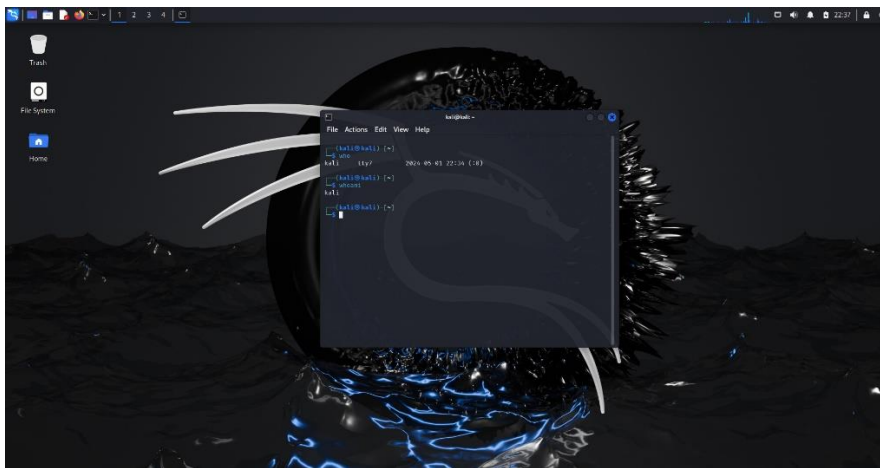
Pemrograman bash shell pada system operasi linux

\$ Lakukan perintah berikut: \$

- **Who**



- **Whoami**



- **mkdir testing**

```

root@kali:~# mkdir testing
root@kali:~# ls -la
total 24
drwxr-xr-x 3 root root 4096 Jan 20 17:26 .
drwxr-xr-x 1 root root 4096 Jan 20 17:26 ..
drwxr-xr-x 2 root root 4096 Jan 20 17:26 testing
root@kali:~#

```

- **cd testing**

```

root@kali:~# cd testing
root@kali:~/testing# ls -la
total 8
drwxr-xr-x 2 root root 4096 Jan 20 17:30 .
drwxr-xr-x 3 root root 4096 Jan 20 17:30 ..
root@kali:~/testing#

```

- **touch index.js**

```

root@kali:~/testing# touch index.js
root@kali:~/testing# ls -la
total 8
drwxr-xr-x 2 root root 4096 Jan 20 17:30 .
drwxr-xr-x 3 root root 4096 Jan 20 17:30 ..
-rw-r--r-- 1 root root    0 Jan 20 17:30 index.js
root@kali:~/testing#

```

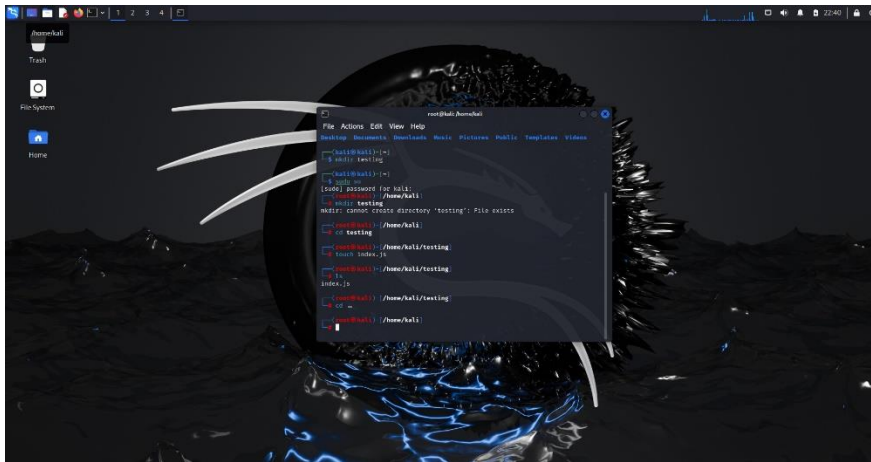
- **ls**

```

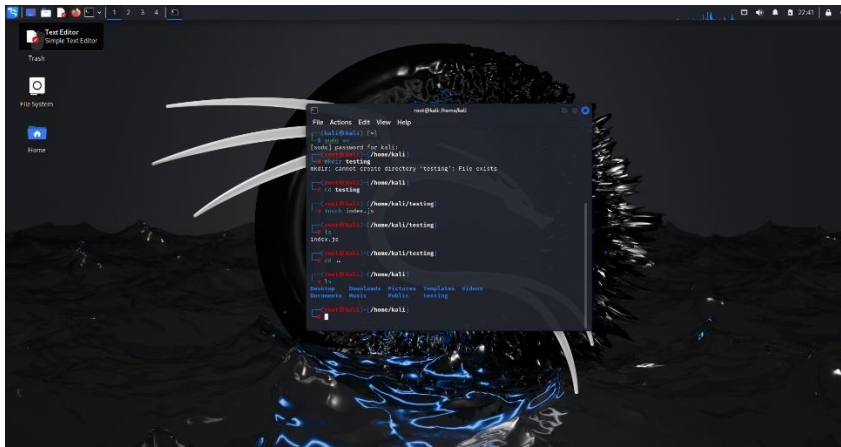
root@kali:~/testing# ls -la
total 8
drwxr-xr-x 2 root root 4096 Jan 20 17:30 .
drwxr-xr-x 3 root root 4096 Jan 20 17:30 ..
-rw-r--r-- 1 root root    0 Jan 20 17:30 index.js
root@kali:~/testing#

```

- **cd ..**



- **ls**

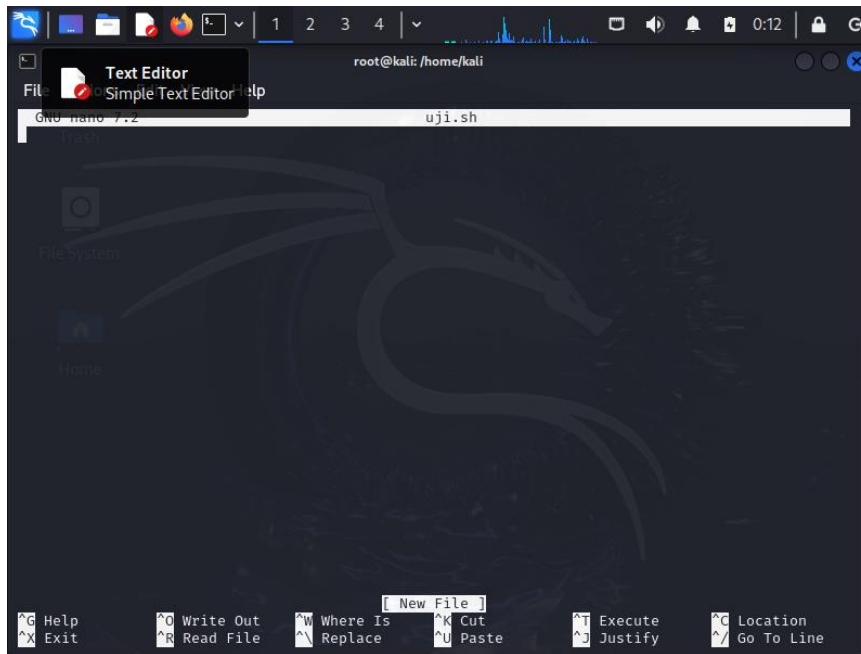


- **clear**

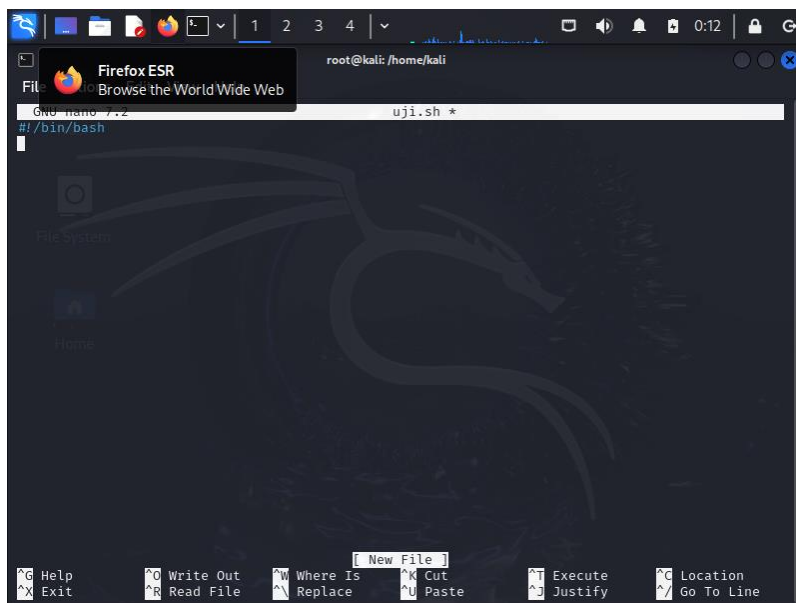


\$ Langkah pemrograman shell: \$

- **nano uji.sh**



- **#!/bin/bash**



- echo “saya super admin”

```

root@kali: /home/kali
# nano uji.sh
# /bin/bash
# echo "saya super admin"

```

- ^X

```

root@kali: /home/kali
# nano uji.sh
# nano uji.sh
# ls
Desktop Documents Downloads Music Pictures Public Templates testing uji.sh Videos
# ^X

```

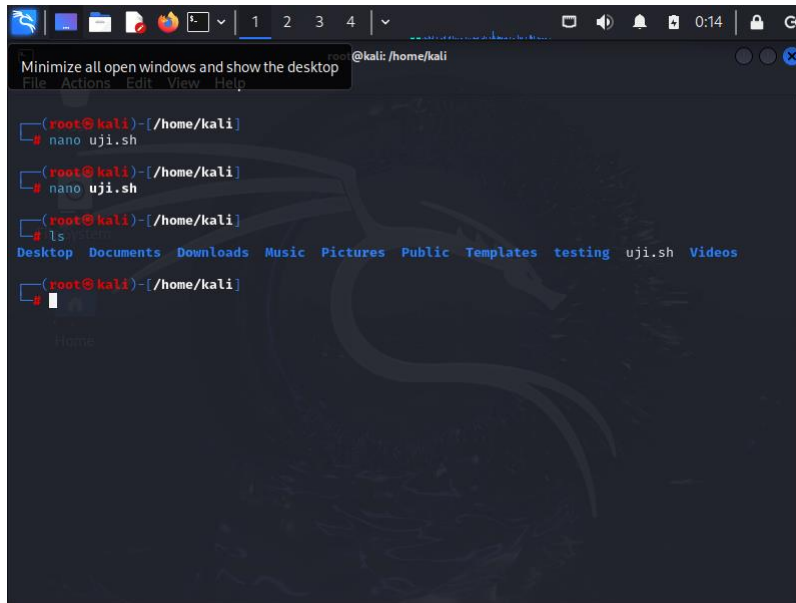
- Y

```

root@kali: /home/kali
# nano uji.sh
# /bin/bash
# echo "saya super admin"
# Y

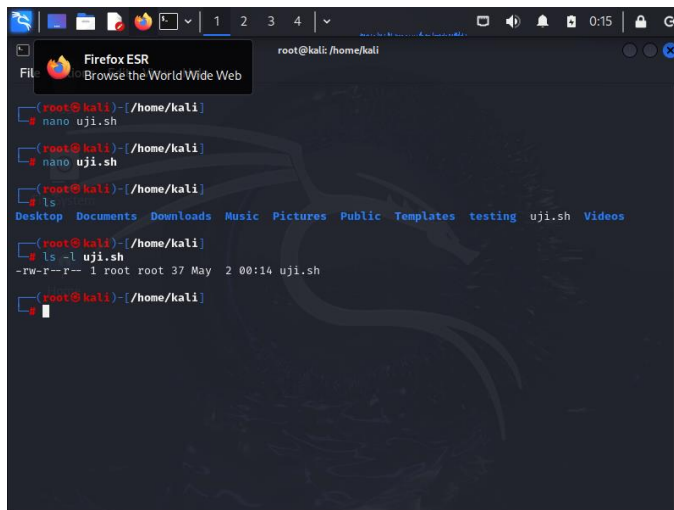
```


- **Ls**



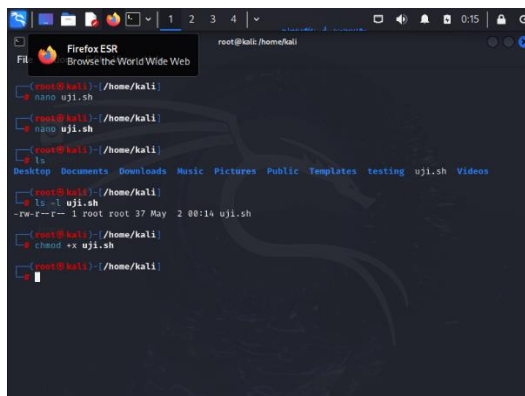
A terminal window on a Kali Linux desktop. The user is root at /home/kali. They have created a file named uji.sh using nano. They then run the command `ls`, which lists the contents of the current directory: Desktop, Documents, Downloads, Music, Pictures, Public, Templates, testing, uji.sh, and Videos. The terminal shows the prompt `(root@kali)~/home/kali` and the command history.

- **ls -l uji.sh**



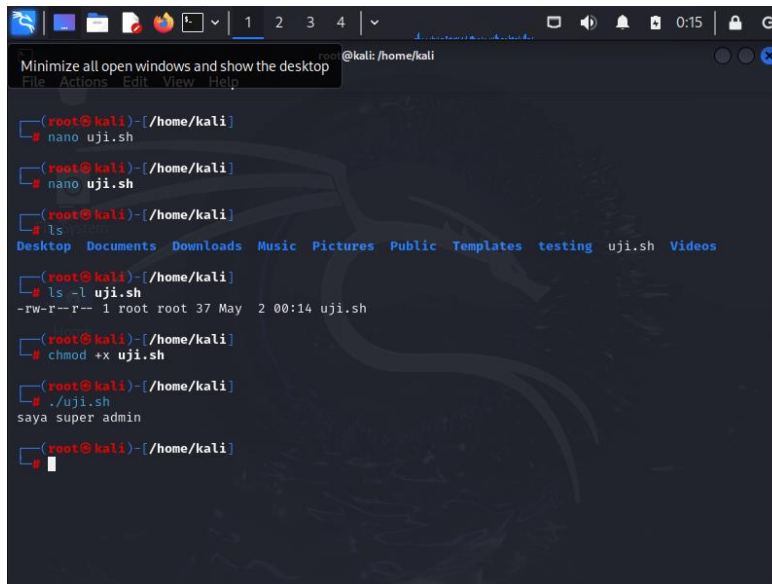
The same terminal window as before, but now showing the output of `ls -l uji.sh`. The output is: `-rw-r--r-- 1 root root 37 May 2 00:14 uji.sh`. A Firefox ESR window is also visible in the background.

- **chmod +x uji.sh**



The terminal window showing the execution of `chmod +x uji.sh`. The prompt is `(root@kali)~/home/kali` and the command is entered. The terminal shows the command history and the previous output of `ls -l uji.sh`.

- **./uji.sh**



A terminal window on a Kali Linux system showing the steps to create and run a shell script. The user is root at /home/kali. The commands and their outputs are as follows:

```
(root@kali)-[/home/kali]
└─$ nano uji.sh

(root@kali)-[/home/kali]
└─$ nano uji.sh

(root@kali)-[/home/kali]
└─$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  testing  uji.sh  Videos

(root@kali)-[/home/kali]
└─$ ls -l uji.sh
-rw-r--r-- 1 root root 37 May  2 00:14 uji.sh

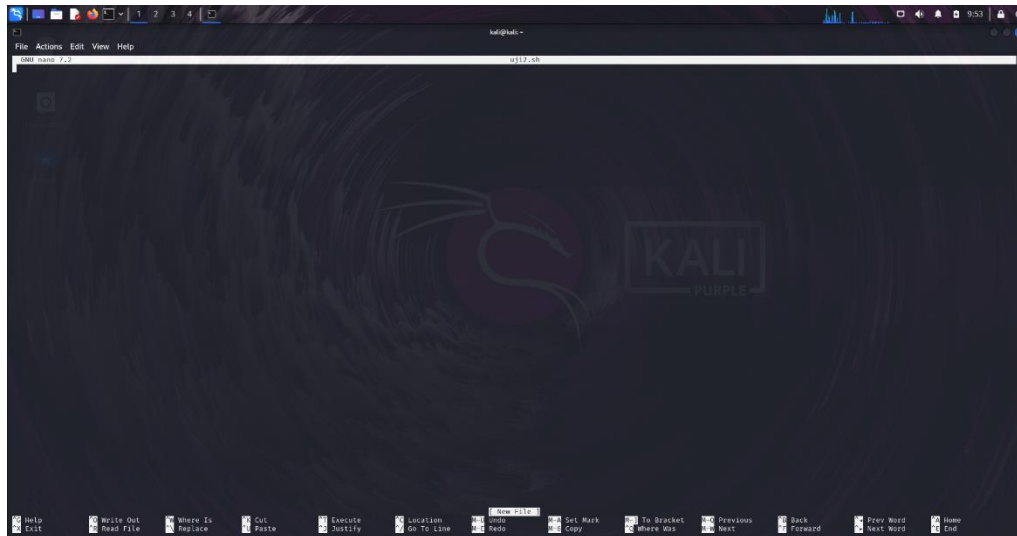
(root@kali)-[/home/kali]
└─$ chmod +x uji.sh

(root@kali)-[/home/kali]
└─$ ./uji.sh
saya super admin

(root@kali)-[/home/kali]
└─$
```

File sederhana

- nano uji2.sh

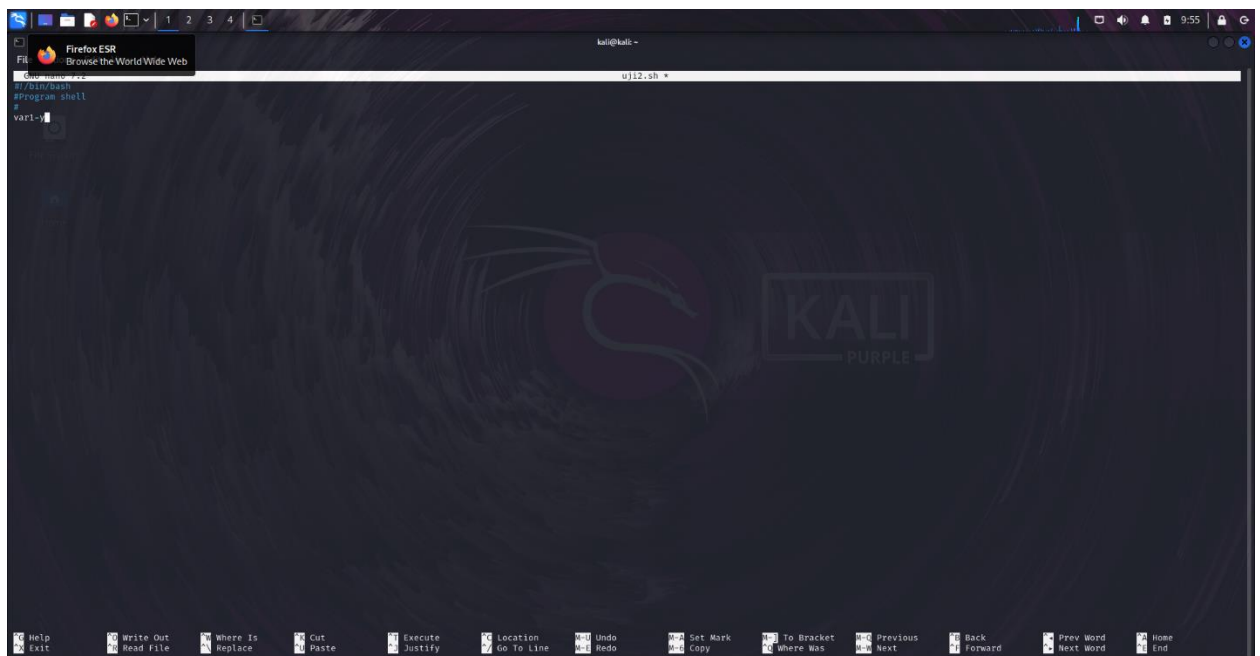


- #!/bin/bash

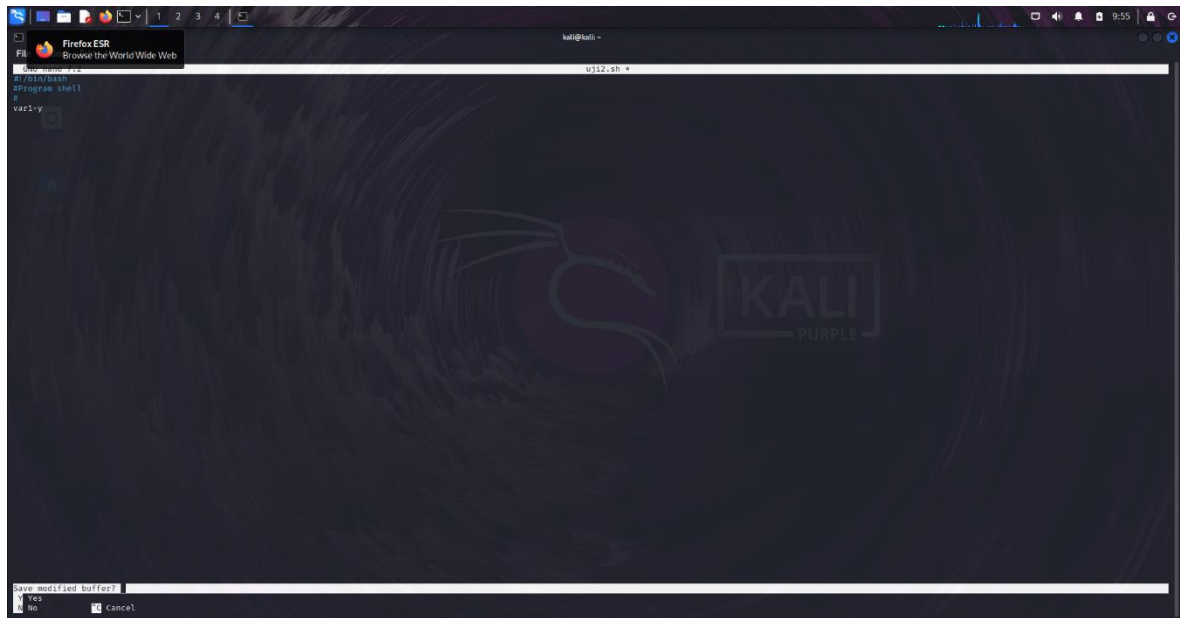
- #Program shell

- #

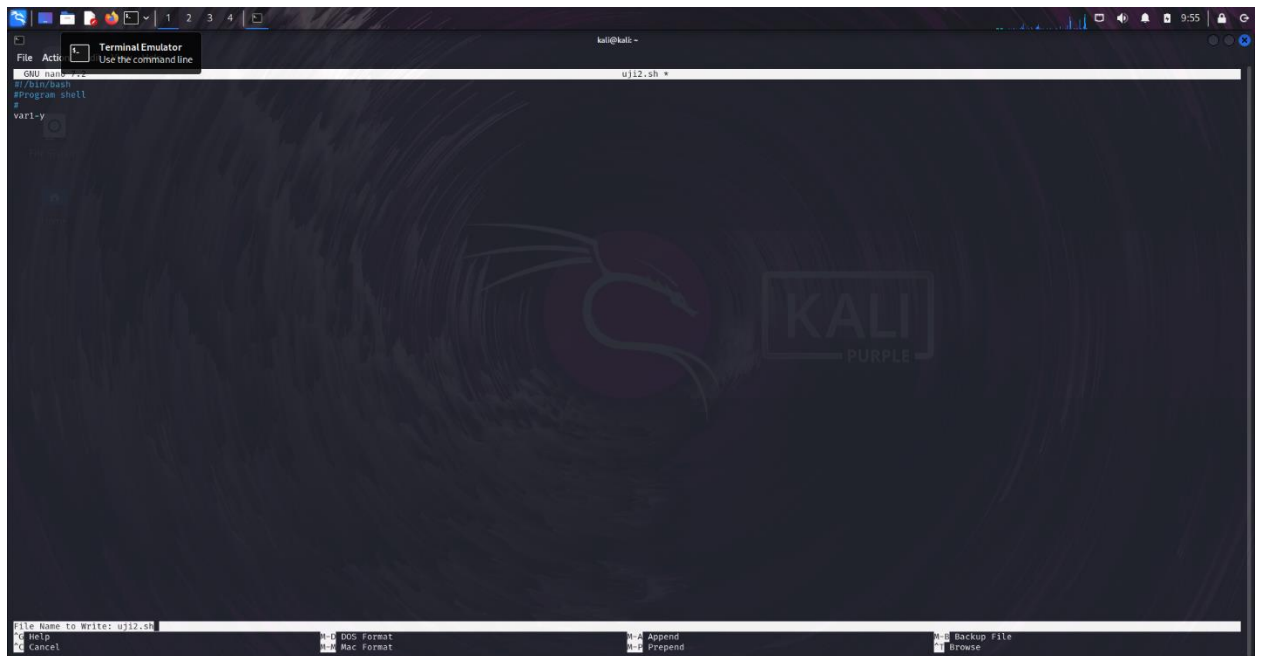
- var1=y



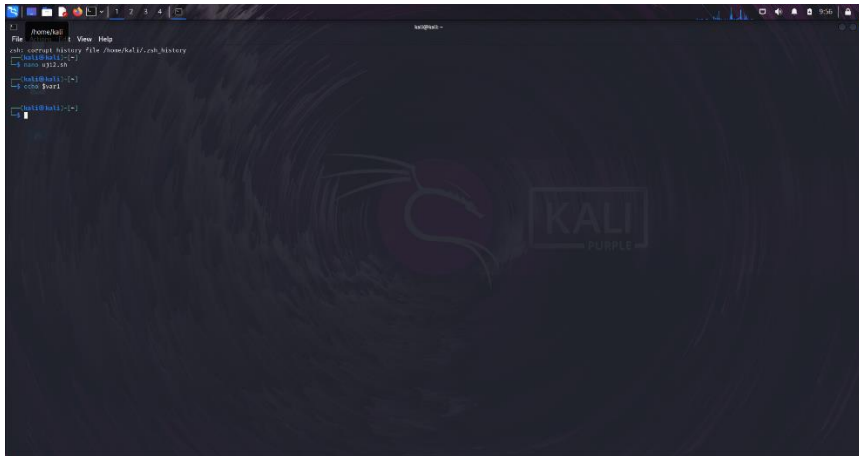
• ^X



• Y

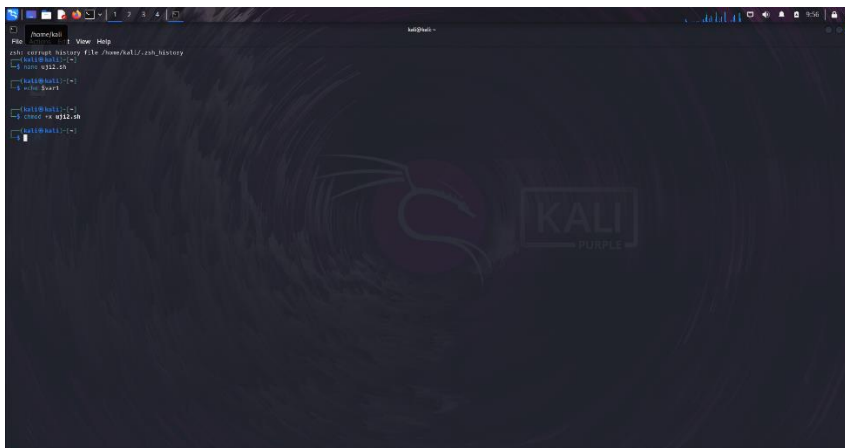


- echo \$var1



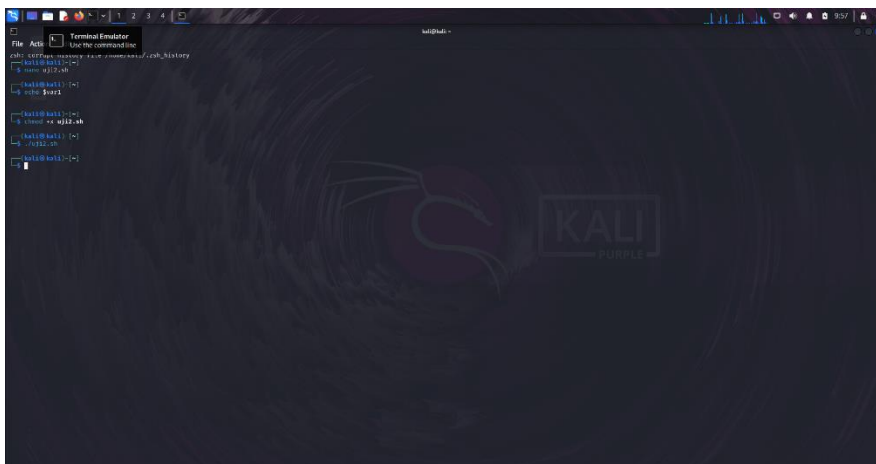
A terminal window with a Kali Linux background. The command history shows: `cat /dev/random | tee /home/kali/.ssh_history`, `rm -rf uji2.sh`, `echo $var1`, and `echo $var1`. The output of the last command is `1`.

- chmod +x uji2.sh



A terminal window with a Kali Linux background. The command history shows: `cat /dev/random | tee /home/kali/.ssh_history`, `rm -rf uji2.sh`, `echo $var1`, `chmod +x uji2.sh`, and `echo $var1`. The output of the last command is `1`.

- ./uji2.sh



A terminal window with a Kali Linux background. The command history shows: `cat /dev/random | tee /home/kali/.ssh_history`, `rm -rf uji2.sh`, `echo $var1`, `chmod +x uji2.sh`, `./uji2.sh`, and `echo $var1`. The output of the last command is `1`.