

LAPORAN SISTEM OPERASI PEMROGRAMAN BASH SHELL

“Disusun dalam rangka memenuhi salah satu tugas 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**

2023

\$ Lakukan perintah berikut: \$

- who

```
(jag@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
$ who
```

- whoami

```
(jag@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
$ whoami
jag
```

- ls

```
(jag@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
$ ls
AppData
'Application Data'
Contacts
Cookies
Desktop
Documents
Downloads
Favorites
Links
'Local Settings'
Music
'My Documents'
NetHood
NTUSER.DAT
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TM.blf
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TMContainer000000000000000001.regtrans-ms
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TMContainer000000000000000002.regtrans-ms
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
OneDrive
Pictures
PrintHood
Recent
'Saved Games'
Searches
SendTo
'Start Menu'
Templates
Videos
```

- mkdir testing

```
(jag@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
$ mkdir testing
```

- sudo su

```
(jag@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
$ sudo su
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
#
```

- mkdir testing

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# mkdir testing
mkdir: cannot create directory 'testing': File exists
```

- cd testing

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# cd testing
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG/testing
#
```

- touch index.js

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG/testing
# touch index.js
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG/testing
#
```

- ls

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG/testing
# ls
index.js
```

- cd ..

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG/testing
# cd ..
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
#
```

- ls

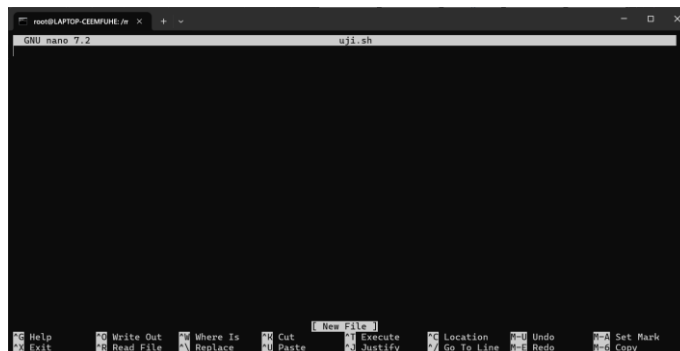
```
(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
# ls
AppData
'Application Data'
Contacts
Cookies
Desktop
Documents
Downloads
Favorites
Links
'Local Settings'
Music
'My Documents'
NetHood
NTUSER.DAT
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TM.blf
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TMContainer000000000000000001.regtrans-ms
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TMContainer000000000000000002.regtrans-ms
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
OneDrive
Pictures
PrintHood
Recent
'Saved Games'
Searches
SendTo
'Start Menu'
Templates
testing
Videos
```

- clear

```
(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
#
```

\$ Langkah pemrograman shell: \$

- nano uji.sh



```
GNU nano 2.2 uji.sh
[Menu: Ctrl+O Write Out, Ctrl+X Exit, Ctrl+R Read File, Ctrl+W Where Is, Ctrl+Q Quit, Ctrl+Z Undo, Ctrl+Y Redo, Ctrl+M Set Mark, Ctrl+C Copy, Ctrl+V Paste, Ctrl+J Justify, Ctrl+G Go To Line, Ctrl+U Execute, Ctrl+F Find, Ctrl+H Replace, Ctrl+I Insert, Ctrl+D Delete, Ctrl+K Cut, Ctrl+N New File]
```

- #!/bin/bash
- echo “saya super admin”

```

root@LAPTOP-CEEMFUHE /m  X + - v
GNU nano 7.2 uji.sh *
#!/bin/bash
echo "saya super admin"|

```

Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify

- ^X

```

ave modified buffer?
Y Yes
N No      ^C Cancel

```

- Y

```

File Name to Write: uji.sh
^G Help      M-D DOS Format      M-A Append
^C Cancel      M-M Mac Format      M-P Prepend

```

- ls

```

(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
# ls
Application Data
Contacts
Cookies
Desktop
Documents
Downloads
Favorites
Links
Local Settings
Music
My Documents
NetHood
NTUSER.DAT
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TM.blf
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TMContainer000000000000000001.regtrans-ms
NTUSER.DAT{ae05b2d1-660f-11ee-a953-cc4740d1e6d5}.TMContainer000000000000000002.regtrans-ms
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
OneDrive
Pictures
PrintHood
Recent
Saved Games
Searches
SendTo
Start Menu
Templates
testing
uji.sh
Videos

```

- ls -l uji.sh

```

(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
# ls -l uji.sh
-rwxrwxrwx 1 jag jag 36 May  9 09:45 uji.sh

```

- chmod +x uji.sh

```
(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
# chmod +x uji.sh

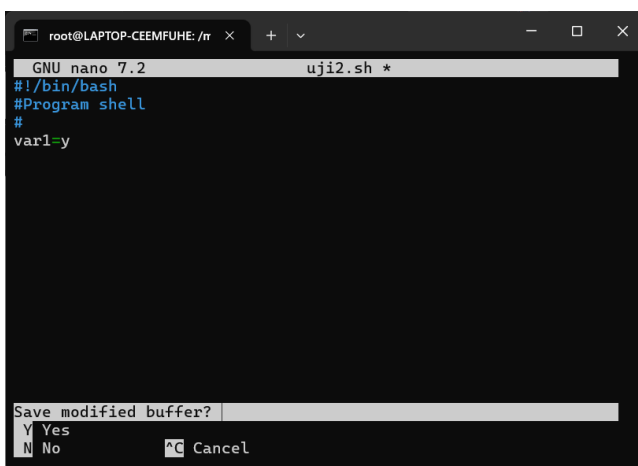
(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
# ls -l uji.sh
-rwxrwxrwx 1 jag jag 36 May  9 09:45 uji.sh
```

- ./uji.sh

```
(root@LAPTOP-CEEMFUHE)-[/mnt/c/Users/JAG]
# ./uji.sh
saya super admin
```

\$ File sederhana \$

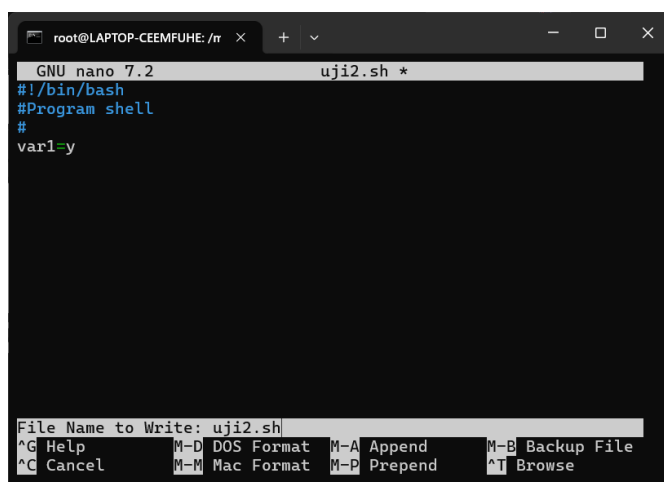
- nano uji2.sh
- #!/bin/bash
- #Program shell
- #
- var1=y
- ^X



```
root@LAPTOP-CEEMFUHE: /tr x + v - □ x
GNU nano 7.2 uji2.sh *
#!/bin/bash
#Program shell
#
var1=y

Save modified buffer?
Y Yes
N No ^C Cancel
```

- y



```
root@LAPTOP-CEEMFUHE: /tr x + v - □ x
GNU nano 7.2 uji2.sh *
#!/bin/bash
#Program shell
#
var1=y

File Name to Write: uji2.sh
^G Help      ^M-D DOS Format  ^M-A Append      ^M-B Backup File
^C Cancel    ^M-M Mac Format  ^M-P Prepend     ^M Browse
```

- echo \$var1

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# echo $var1

(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# |
```

- `chmod +x uji2.sh`
- `./uji2.sh`

```
(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# chmod +x uji2.sh

(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# ./uji2.sh

(root@LAPTOP-CEEMFUHE)~/mnt/c/Users/JAG
# |
```