

22 port putty

port 22

11235 devices
11236 modules

kernel module - /bin /etc /usr /home /temp /swap

Kernel

(Kernel) Processed - (Kernel) Shadow

/root

unix file directory

Programmable Linux - Oracle VM / VM

Linux - Ubuntu

Kernel, Library, Application layer - Application layer

bash (in) application - shell

System - Kernel

unix

unix system

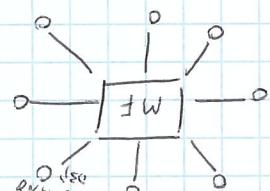
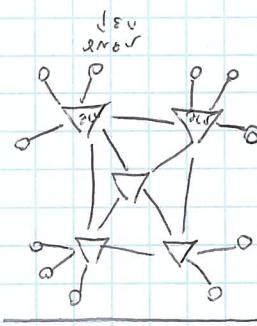
API to write user program

Library API, API to user program

API to user program

API to user program

general public license - GPL



star module

Linear file structure

unix file kernel - go away from kernel - kernel.org

file access control, file privilege

Windows security

multiple windows offer security job, standard (standard) tool available: binary file system

multiple users share information

multiple users

multiple users

multiple users

8

multiple users

multiple users

login: f - student XX (xx-xx)
password: 123456

ip: 192.226.187.1

8.11.19

C

C

• Linux & Allca programme, which include - is

• graphical interface - ii

• history of computer & its evolution - history

* * man of cmd - what is

• menu of logical partition

• ~~Windows~~ of windows OS like Linux & Mac OS X are logical partitioned into several parts

• man - K command line, multiple choice

• man - K command line multiple choice man & multiple choice, as editing, as keyword

1 - cmd - q

• exit q - space

• exit - enter

man - K the usage

* * man command, manual, manual - man command, man command - man

* * Pwd - full path of current directory - pwd

pwd

• pwd multiple choice

multiple, case sensitive & case insensitive

command [-options] [parameters]

option

(shell) multiple choice - bash

bash

multiple choice

R C → change setting of appearance

rc3j1.j1

123456

student08

441.226.187.1

15.11.19

ctrl + D → Recode

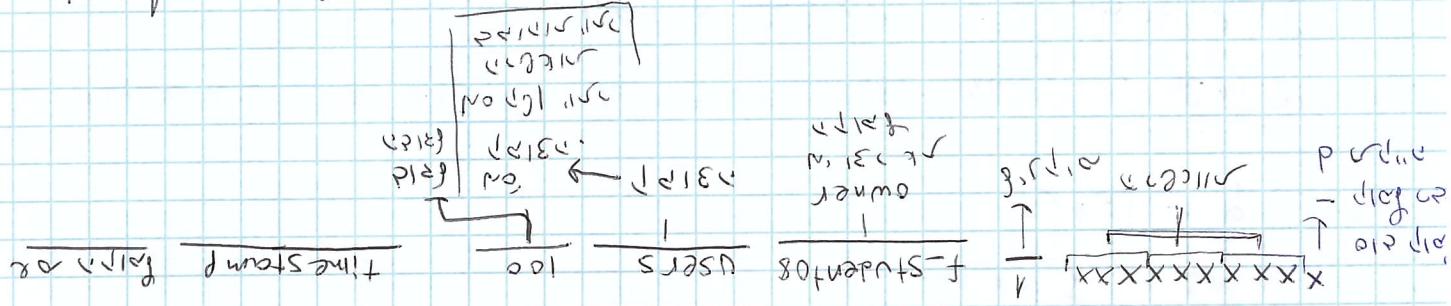
editors ~ signum (as) ~

use variable a to make signum function available

a,b,c ~ signum(a,3,2) ~ signum(b,3,2) ~ signum(c,3,2)

* for signum ~ replace by signif

+ - signum - n.1 | time stamp



signum function.

use signum function to calculate time stamp

* signum function is now 0 if value is negative or 1 if positive - touch here

(value <= 0) = 0
(value >= 1) = 1
else = signum

else use signum function to calculate time stamp

* signum function

* now signum - clear

if width + height = 0 then signum = 1 else signum = 0

* now signum = 1 if width >= height else signum = 0

* signum = 1

*. \cap - open in \mathcal{C}_0 . $\mathcal{S}_{\mathcal{D}}$

N₂O₄ - NO₂ 21% von 100 g

MEC - $\nabla \psi \rho \sqrt{\epsilon} M_{\text{eff}}$

Change world - change self (and vice versa).

H - 210°C going into the oven

• (backspace) \rightarrow if we press backspace - X/X

88 7.1821, v NL 6.6 V 20 250

Now, you will see if R is prime like r - replace $-r/R$

→ P - gruul non/ legig vifag.

PP = $\frac{1}{2} \pi R^2 h$ (Area of base \times height).

Figure 3 shows the mean rank-

↳ Geometrische Formen

• **תפקידם של מנגנוני המילוי בפתרון בעיות**

ՀՅ - ՀՅԱՆ (ՏԵ, յԵՎԻ, ՏԵ ՊԱԿՄԱՆՈՅԵ, ՏԵ Խ) ՑԵՐԵՎՈՒՄ ՎՐԱՅԻ.

0 / 0 - 0 gevici gice vego goni, 0 evicu gice nfg conni.

Commands - mode - f - 2515 - esc

(inaser + 10%)

I / ! - ! g e c r o n g N u n d i e z j e v o n l , I g e c r o n g N u n g u r o p i c c .

에비앙 ~ 에프파스

vi filename

35% 213% 121% 8% 0.1% 1% 0.1% 0.1% 0.1% 0.1%

• object - inser + mode

3 107!P2 1,2 26 N88,8

• Español o inglés Viene con - Win

!A - Since you have been given the name of the author

Editor
Newsletter

com and command / output → input ↗

*

* more frequent - more regular - more systematic

• Ca + F₂ → CaF₂ का एक उदाहरण है।

$\text{Z}_t = \text{Z}_t^{\text{obs}} \cup \text{Z}_t^{\text{pred}}$

188.0
188.0

Save as... - : w ~~for~~

$$m_i - \partial m_{\text{CC}}$$

* i b: -geɪv əp, ɒnɪc

• Cyclic basis $V_i - \circ$

* **129mnufas:** - เมื่อ ๘๐๙

* କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା

* P + R + U = 4196 9 10192

* 45% editor's note, 15% review, 15% personal response

switch / swɪtʃ / S / ʃ / ; -

A N - CIRCU CIRCU

* 4 - 11865 2015

* $\frac{\sqrt{1+2x}}{1-x}$ - разложение в ряды

* - ५१६८ ये अप्रैल के दिन हैं।

• HTTP - HyperText Transfer Protocol

* Client - HTTP Client

(Client - CD ~)

Server - HTTP Server

- Web Server.

• Protocol - HTTP is a request-response protocol.

• Request - HTTP Request - Method X URI - Version.

• Response - HTTP Response Status Code, headers, body.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

(Redirection), Link 0123, 05

2 - Error
4 - Output
0 - Input

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

Linux/Unix

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• HTTP Headers - Content-Type - Content-Length - Content-Encoding.

• OS Apache Windows - CentOS.

• Apache Windows - CentOS.

MAN

• Apache Windows - CentOS.

29.11.19

118

• **Groups** - **Subsets** of Ω which are **measurable**.

الآن ، نعم ، فهو في الواقع ، # = 20% ، على الأقل ، يحصل على التأمين.

Melijue 9509 → 9509 21 05 2011 Sessional 1st year

→ efficient sampling of possible configurations

Aug 10, 2001

(etc.) "I, you, we, they" - Subject

* file name password

11245

g 0,0N1
N0N1 g3N8SNG

1216 ae : x ; user-ID: group-ID; nameDir: /sys;

etc/password

default profile as user will run alias as user

```

graph TD
    base --> basefile
    base --> bashrc
    basefile --> alias
    basefile --> exec
    bashrc --> source
  
```

జ్యేష्ठ. २१, ८५५

• $\text{IAS } 17 \text{ m} = \text{m} - i$

giving the class a chance to reflect on what they learned - allows for a reflective discussion.

more than 10⁸ cm⁻³ of positive ions.

• 3.3.2.5 متصفح (-19<20) \rightarrow متصفح (-19<20)

1. JIP - M - Objektiv (100,5 mm) und Linse

trip around - mixed with coffee.

\$ - t
t \$ /usr/local/bin/t

t - k

A K mitigation / mitigation



grep "xyz" filename

1. file
2. line
3. character
4. word
5. sentence
6. paragraph
7. file

is this
which of
these
is true
reverse
isolate
case sensitive
counter
string

m - v - ! - c - -

grep finds file based on regular expression

grep finds file based on regular expression

grep finds file based on regular expression

[-node]

[-file]

[-perm]

(-name 10)

[-min -10]

[-maxdepth]

[-maxdepth]

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MC f - *f - -

$$m = -1 - \sqrt{m}$$

• B3AP (chars) چارک، پیغام، پیغام جوبارہ - مکالمہ

(reading goes on, goes on, goes on, goes on, goes on, goes on).

• (a) Linux echo \$? (echo of 01100)

* σ , ρ & ψ are called dependent variables.

ת. נס ציונה, רח' יגאל אלון 111/111, דגניה ב' - מושב דגניה ב' - מושב דגניה ב' - מושב דגניה ב' - מושב דגניה ב'

$$||\Delta \sigma / \sigma_0|| < \epsilon$$

error standard

$\text{err} \leq \frac{1}{2}$

۱۸۷۸ میلادی تا ۱۹۰۵ میلادی میان ایران و روسیه

94. $\text{MgCl}_2 \approx -P$
95. $\text{LiCl} \approx -P$
96. $\text{NaCl} \approx -P$

is left -1 | grep ab

50100

long format /etc \approx 500MB per node

✓✓✓, 3

मानव:

जैसे विद्युत की जैसी

(नेटवर्क में डिस्ट्रीब्यूशन)

echo "ab cd" | cut -c2-3 ← बैच वाले पावर, (पावर, इन नहीं रहते)

-c -f feilds जैसे चारों जैसे जिसका -cut

नेटवर्क से जैसे
" " P- f- गैर रहते

cut -c 2-3 ↓ जैसे जैसे जैसे जैसे जैसे

18 UNIX - A KİTAP NÜDÜĞÜ YİDE SİYAH OLUŞTU.

- KİTAP NÜDÜĞÜ İLE İLGİLİ DÜZENLEME

- KİTAP NÜDÜĞÜ İLE İLGİLİ DÜZENLEME

- KİTAP NÜDÜĞÜ İLE İLGİLİ DÜZENLEME

KİTAP NÜDÜĞÜ

. KİTAP NÜDÜĞÜ İLE İLGİLİ DÜZENLEME

KİTAP NÜDÜĞÜ İLE İLGİLİ DÜZENLEME

DÜZENLEME

İLGİLENME

(KİTAP NÜDÜĞÜ İLE İLGİLİ DÜZENLEME)

sort -t "!" filename

sort -m filename sorted

sort + filename -o outputfilename (Eğer filename planda olmasa)

sort -k3 -n -r filename | uniq

sort -k3 -n -r filename . (Nüfusun sayısal sıralaması)

sort -k3 -n -r filename . (Günlük bilanço)

sort -k2 -n filename (.vodon null gec mi)

(.vode file dan sonra)

2. nüdüğe

sort -k2 filename

. (Günlük kayıtların default deðerini kullan -sort)

3. nüdüğe

4. nüdüğe

5. nüdüğe

↑

6. nüdüğe

↑

7. nüdüğe

↑

8. nüdüğe

↑

9. nüdüğe

↑

10. nüdüğe

-perm
-maxdepth
-exec
command
{}
-size
-mtime
-ctime
-amin
-type [f/d]

find . (neden find komutu kullanır)

privat

13.12.19

echo "acbdef" | tr A-Z

The string value is stored in `str`.

(-fay) P- "L. 12075 UNILIN S. L. v. (N.Y.)

(α -hydroxy S- and 2-hydroxy 3-ketoglutamate).

Paste file file file

First file the main menu items as described below - Paste

• جیسا کوئی اپنے ساتھی کو 'سیاسی' ہے تو اس کو 'سیاسی' ہے۔

16.17) mask fe CfaA 01c 31c

33116 834 831P (e) ~~RECEIVED IN FBI - MEMPHIS~~

chmod 666 filename

• **Geometric** \Rightarrow LCA \geq $n - \alpha$ \geq $n - \alpha$ \geq $n - \alpha$ \geq $n - \alpha$

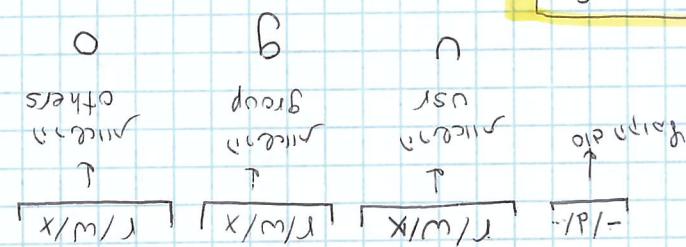
Chmod u+x, g+w, filename

Chmod 0777 / folder for Jupyter notebook - Chmod

- x, execute

m - datum, z

1 - read ,



root گیاره ساده گیاره ساده گیاره ساده گیاره ساده گیاره ساده گیاره ساده گیاره ساده

• **प्राचीन रूपों का विवरण**

فیلم اسکار ۲۰۱۶

/etc/group

func main() {

echo \$1
echo \$2
echo \$3

echo \$1
echo \$2
echo \$3
echo \$4
echo \$5
echo \$6
echo \$7
echo \$8
echo \$9
echo \${10}

i=1
for i in 1 2 3 4 5 6 7 8 9
do
 echo \$i
done

for i in 1 2 3 4 5 6 7 8 9
do
 echo \$i
done

expr \$a + \$b
echo " \$expr "

echo -n " " (echo \$1 \$2 \$3 \$4 \$5 \$6 \$7 \$8 \$9 \$10)

read name
echo "Hello \$name"

n=30
n=20

expr \$a + \$b

read name

function func()

function func() {
 echo "Hello \$name"
}

func

1

2

این دسته از میکروپردازهای دارای گذگلهایی است که در آنها میکروپردازهایی قرار دارند که میتوانند میکروپردازهای خود را در میان میکروپردازهای دیگر قرار دهند.

the exit(), or some other function. Clean up and exit - exit

एवं यजुर्वाला देव, रथ गतिर

she'll see it
as you can see

[28 1-1] f!

‘(1) 100 वर्ष के बाद यह अवधि अपनी विकास की विधि का अनुसार हो सकती है।

[9\$ + 6\$ = 15\$] + !

ՏԵՐԵՅԻ ՊԵՏՈՒԹՅԱՆ ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅՈՒՆ

✓ 18.88 28.88c Starting 2011/12

survival of the fittest. If certain genes are passed on to the next generation, they will increase in frequency.

பார்லீமெண்

less than +/-

- less than or equal to

-he equal to not equal

-eq equal to

-ge greater than or equal to

-g_t greater than

(1) $\int f(x) dx$, $f(x)$

after reading

expr \$a / \$b

((9\$ * 2\$))\$

2018.07.11 10:00 AM

11.05.2018

while file → done & name.txt

do

while read LINE

done or file contains first line of file

if \$1 > textfile

echo \$name into file

done

...

do

while [\$a -gt 5]

while script

```

        echo "Hello $name"
        do
            echo "Hello $name"
            done
        * $=X
    for name in X
        done
    done
    done

```

for loop example (using while loop)

read var

((++! \$!=<! \$=!) for

if file contains (cm error) do

done until for do

done

...

do

for ! in 1 2 3 4 5

for Afile

• * function life cycle, order

* order of execution + function + local variable + global variable

variable declaration - definition

if
↳ definition
↳ declaration
↳ $\dots \dots (*)$

2) $\dots \dots ()$

1) $\dots \dots ()$

or

case 1

case 1 (1)

Sleep 2 (2)

Sleep 3 (3)

↳ variable declaration - function order

$[\lambda x [e] [s] [s]] \dots \dots$ \uparrow
 \uparrow

• Jupyter Notebook - Source - bashrc

• (etc) ~ user - bashrc, git, etc

git: 2nd step

• (git) ~ user - bashrc, root ~ user, (if)

echo \$HOME

• echo ~ user - bashrc

• telnet ~ user - bashrc

• telnet ~ user - bashrc

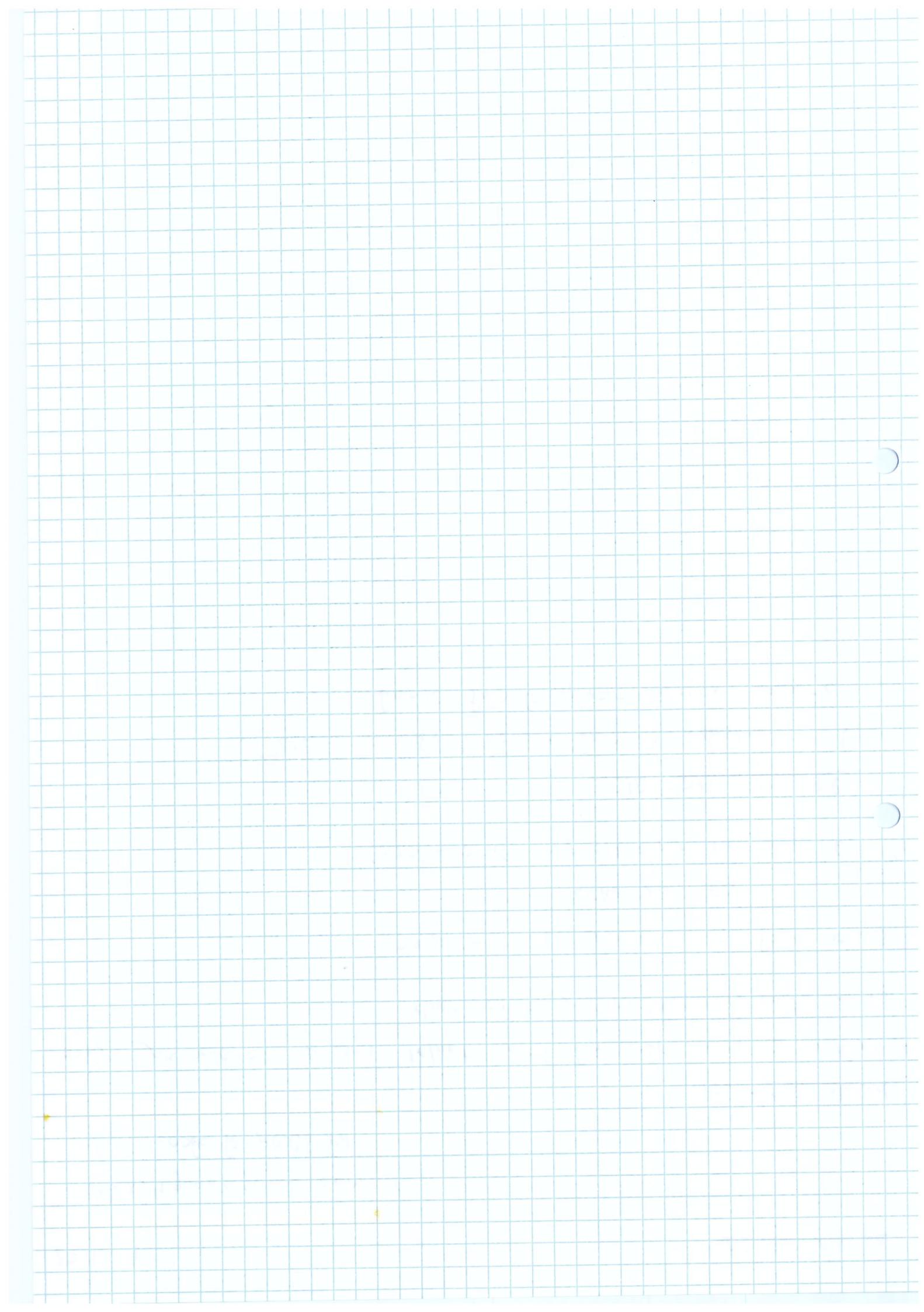
http://www.alexhyatt.com

• alexhyatt.com

alexhyatt.com

printenv

27.12.19



args | if r - s

← | - c m | x f r - s y

MCFC 201109 09 0008, or 09081109, f. ← * f r- s/

now direct and easier derivative approach \rightarrow f |- cm

MC - one no. M.F. or edge word counter

গুরু পাঠ্য বই এবং পত্রিকা

., *alex*

INVEST AND INVEST

מגניטים וטבליות

find。 -name "*.JCV" | grep "alex" →

`Xargs -n 3 +` ~~3 +~~ `3 +` ~~3 +~~

($\#$) (P, C, E) $\in \text{succ}(\cdot)$

Unlink KUKU .NET Library and Project

Wupper und Rhein partititionen und

in-s source target

• multiple partitions (as in 321816s pids) • fixed 7013 - partition

Fig 131c et seq. undr.

an /ku:kʊ/ KUKU

11/2018 11/2018 11/2018

in source target

• ls /usr/libexec/libc/libc.so.6
• find / -name "libc.so.6" -exec rm {} +
• rm -rf /etc/ld.so.cache
• rm -rf /etc/ld.so.preload

• This is not a number

• This is a number

5) "Did not enter input. Please enter one"

• find . -maxdepth 1 -name "a"

• find /tmp -size 0 -name "tmp" -size empty

(4)

• Need to run ./a3011 to get 000m-g 50m 13 files and 03011 will do it

• U-f,w,e,g-rw,x-rw & file0000 will be added to /etc/ld.so.cache

• 3), execute, read, write file0000 as /etc/ld.so.cache at root user then

• sort -n -t \$'\n' > /etc/ld.so.cache

• sort -n -t \$'\n' > /etc/ld.so.cache

2) grep "Two lines" demo-file

cat file | grep -v "#"

touch "new file.txt" llc touch new-file

cat /etc/password | tr : '#' ,

find /usr -name "*.h" > file.h llc < file.h > find.h

1) ls /usr/libexec/libc/libc.so.6 >> ls+o.bin 2>/dev/null (append >>)

Linux user 3315 pts/2 0:17 19:11

101.2C

(1) find /home/student/mydir (-maxdepth 1) "?" "exec rm

real sqrt - 102 (r) NCCU CUIT

```
cat file-name | grep -v "#" > file
```

`mkdir = new dir`

CUT - δ : - f1,3,4 /etc/passwd

is -use | grep -c "S" < file.s

! \{\}深处の「?」を解説する

21. f - now off 11%

file-name

tar -xvf backup-file

/bɪn/ binomial /həʊməlɪkəl/ homologous

Backup file

ପାଇଁ କାହାର ଦ୍ୱାରା
ମୁଣ୍ଡିବ ଉଚ୍ଚତା

path = root / path

$$x \rightarrow e^x + \operatorname{rac} x$$

create backup

car - c

କାନ୍ତି - ପରିମାଣ ଅନୁକୂଳ ହାତରେ ଯାଏଇବୁ ।

$$\text{far} = \text{CCII RSI } 88.11^{\circ}(100.121)^{\circ}$$

২.৮১, ২.৪৯৮

NE, 27 7/15 (4720) (Editor 1981).

echo \$PATH

Сф

Microsoft Shell Win32 API

en V udi shell

121 login name, password, just shell, 12345

କୁର୍ମା) । ଏମାତ୍ର ଏ ଦେଖିବା ପାଇଁ ମହିଳାଙ୍କ ମଧ୍ୟ ବର୍ଷାରେ କରିବାରେ ଯନ୍ତ୍ରଣା ହେଲା (୨୦୫୫) ।

EN - eisies oerigens. En jaag nie net meer oor die religieus

பால்கள்

CC. 93 1391 16/11/2011 2.41 1391

confab -r

53 10 * * * /pa+h/hu~
~~~~~ /bɪn/fər -xv f

zj, vplv.  
pmlv, vplv

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| * | * | * | * | * | * | * |

com man d

consonants and vowels:

high low near far

near far high low near far. High low near far. Consonants and vowels.

Consonants and vowels

