

# CSGE602055 Operating Systems CSF2600505 Sistem Operasi LeftOver

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<http://os.vlsm.org/>

Always check for the latest revision!

REV172 27-Nov-2018

# Agenda

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- XXXX

- The Check List (Operating Systems)

- ☐ **Starting Point:** <http://os.vlsm.org/>
- ☐ **Text Book:** any recent/decent OS book but map it to **OSC10**.
- ☐ Create **public** project "os182" on your github.com account.
  - ☐ Create file "README.md" and add an extra line every week. For e.g.<sup>1</sup>:  
ZCZC Sistem Operasi 2018 Awal (1)  
ZCZC W01 Have tried demo for week 01.  
ZCZC W02 Week 02 is done.  
ZCZC W03 Week 03 is done.
- ☐ Encode your **QRC** with image size of approximately 250x250 pixels:  
"OS181 CLASS ID GITHUB-ACCOUNT SSO-ACCOUNT SIAK-Full-Name"  
Special for Week 00: Mail your **embedded** QRC to:  
operatingsystems@vlsm.org with Subject: [W00] CLASS ID  
SIAK-NAME.
- ☐ Write your Memo (with QRC) **every week**.
- ☐ Using your **SSO** account, login to badak.cs.ui.ac.id via  
kawung.cs.ui.ac.id.
  - ☐ Check folder badak:///extra/Week00/
  - ☐ Every week, copy the weekly demo files to your own home directory.  
Eg. for Week00:  

```
cp -r /extra/Week00/W00-demos/ W00-demos/
```

---

<sup>1</sup>Week 00 line is optional. The following "ZCZC WXX" weekly tags are mandatory.

- Text Book: any recent/decent OS book. Eg. (**OSC10**) Abraham Silberschatz, Peter B. Galvin, Greg Gagne: Operating System Concepts, 10<sup>th</sup> Edition, 2018.
- (GITHUB)  
`https://github.com/UI-FASILKOM-OS/SistemOperasi/`
  - (DEMO) — `demos/`
  - (SLIDE) — `pdf/`
- (UJIAN) — `http://rms46.vlsm.org/2/195.pdf` - `205.pdf`
- (BADAK) — `BADAK:///extra/`

# Bahan Presentasi:

<http://rms46.vlsm.org/2/207.html>

UI-FASILKOM-OS / **os181** Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Branch: master pdf / Create new file Upload files Find file History

rms46 rmsbase pdf Latest commit 6ea3f4e 19 hours ago

|              |             |              |
|--------------|-------------|--------------|
| ..           |             |              |
| os00-181.pdf | rmsbase pdf | 19 hours ago |
| os01-181.pdf | rmsbase pdf | 19 hours ago |
| os02-181.pdf | rmsbase pdf | 19 hours ago |
| os03-181.pdf | rmsbase pdf | 19 hours ago |
| os04-181.pdf | rmsbase pdf | 19 hours ago |
| os05-181.pdf | rmsbase pdf | 19 hours ago |
| os06-181.pdf | rmsbase pdf | 19 hours ago |
| os07-181.pdf | rmsbase pdf | 19 hours ago |
| os08-181.pdf | rmsbase pdf | 19 hours ago |
| os09-181.pdf | rmsbase pdf | 19 hours ago |
| os10-181.pdf | rmsbase pdf | 19 hours ago |
| osXX-181.pdf | rmsbase pdf | 19 hours ago |

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Figure: <https://github.com/UI-FASILKOM-OS/os182/tree/master/pdf>

# Bahan Demo

UI-FASILKOM-OS / **os181** Unwatch 1 Star 0 Fork 0

<> Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Branch: master os181 / demos / Create new file Upload files Find file History

**rms46** rmsbase Week00 Latest commit 2c3ee02 14 hours ago

|        |                |              |
|--------|----------------|--------------|
| ..     |                |              |
| Week00 | rmsbase Week00 | 14 hours ago |
| Week01 | rmsbase demos  | 15 hours ago |
| Week02 | rmsbase demos  | 15 hours ago |
| Week03 | rmsbase demos  | 15 hours ago |
| Week04 | rmsbase demos  | 15 hours ago |
| Week05 | rmsbase demos  | 15 hours ago |
| Week06 | rmsbase demos  | 15 hours ago |
| Week07 | rmsbase demos  | 15 hours ago |
| Week08 | rmsbase demos  | 15 hours ago |
| Week09 | rmsbase demos  | 15 hours ago |
| Week10 | rmsbase demos  | 15 hours ago |



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Figure: <https://github.com/UI-FASILKOM-OS/os182/tree/master/demos>

My courses > LAIN-LAIN > Arsip RMS > General > ARSIP

 **Clock** 



 Server: Tue 9:56:21

 **Calendar** 

August 2017

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
|     |     | 1   | 2   | 3   | 4   | 5   |
| 6   | 7   | 8   | 9   | 10  | 11  | 12  |
| 13  | 14  | 15  | 16  | 17  | 18  | 19  |
| 20  | 21  | 22  | 23  | 24  | 25  | 26  |
| 27  | 28  | 29  | 30  | 31  |     |     |

**EVENTS KEY**

-  Hide global events
-  Hide course events

## ARSIP

- 010\_OS162
- 013\_DEMOS
- 015\_Video
- 017\_BAHAN-AJAR-LAMA
- 030\_Arsip-Ujian
- 040\_EXTRA-RMS
- 041\_Suplemen
- 050\_OSC-Silberschatz
- 060\_UJIAN-INTERNASIONAL
- 070\_KULIAH-INTERNASIONAL
- 075\_ETC-Video
- 080\_eDOCs
- 090\_KUNYUKS
- 100\_Infrastruktur\_IT\_Modern\_2012
- 110\_ITIM-REF
- 120\_ITIM-Video
- 200\_Pemrograman\_Sistem

Figure: Lihat juga [BADAK.cs.ui.ac.id:///extra/](http://BADAK.cs.ui.ac.id:///extra/)



# Github (New) Account 1



Figure: Start a new project by "rms46".

# Github (New) Account 2

## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

Repository name

 rms46 / os181 

Great repository names are short and memorable. Need inspiration? How about **verbose-garbanzo**.

Description (optional)

ZCZC Sistem Operasi 2018 Awal (1)

☒  **Public**

Anyone can see this repository. You choose who can commit.

☐  **Private**

You choose who can see and commit to this repository.

☒ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **C** Add a license: **None** 

**Create repository**

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Figure: Create public repository "os182" with a README.md file

# Github (New) Account 3

The screenshot shows the GitHub interface for a public repository named 'os181' by user 'rms46'. At the top, the repository name is displayed with navigation links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Insights, and Settings. On the right, there are buttons for Unwatch (1), Star (0), and Fork (0). Below this, the repository title 'ZCZC Sistem Operasi 2018 Awal (1)' is shown with an 'Edit' button and a link to 'Add topics'. A summary bar indicates 1 commit, 1 branch, 0 releases, and 1 contributor. Below this is a section for file management with buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green 'Clone or download' button. A table lists the initial commit files: '.gitignore' and 'README.md', both committed by 'rms46' 'just now'. At the bottom, a preview of the 'README.md' file is shown, featuring the repository name 'os181' and the title 'ZCZC Sistem Operasi 2018 Awal (1)'.

rms46 / os181

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

ZCZC Sistem Operasi 2018 Awal (1) Edit

Add topics

1 commit 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

| rms46 Initial commit |                | Latest commit 8fa42bd just now |
|----------------------|----------------|--------------------------------|
| .gitignore           | Initial commit | just now                       |
| README.md            | Initial commit | just now                       |

README.md

## os181

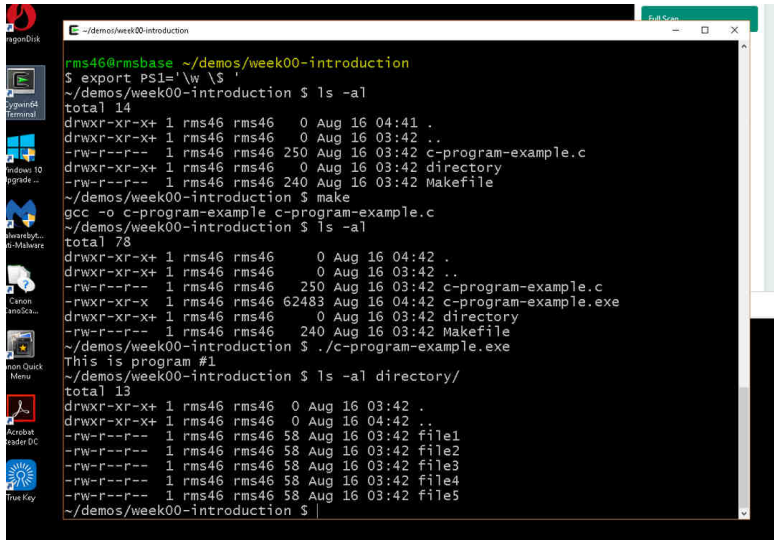
ZCZC Sistem Operasi 2018 Awal (1)

Figure: Public project "os182" by "rms46" at <https://github.com/rms46/os182>

# WSL: Windows Subsystem for Linux



Figure: WSL: Windows Subsystem for Linux



```
~/demos/week00-introduction
rms46@rmsbase ~/demos/week00-introduction
$ export PS1='\w \$ '
~/demos/week00-introduction $ ls -al
total 14
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 04:41 .
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 03:42 ..
-rw-r--r-- 1 rms46 rms46 250 Aug 16 03:42 c-program-example.c
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 03:42 directory
-rw-r--r-- 1 rms46 rms46 240 Aug 16 03:42 Makefile
~/demos/week00-introduction $ make
gcc -o c-program-example c-program-example.c
~/demos/week00-introduction $ ls -al
total 78
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 04:42 .
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 03:42 ..
-rw-r--r-- 1 rms46 rms46 250 Aug 16 03:42 c-program-example.c
-rwxr-xr-x 1 rms46 rms46 62483 Aug 16 04:42 c-program-example.exe
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 03:42 directory
-rw-r--r-- 1 rms46 rms46 240 Aug 16 03:42 Makefile
~/demos/week00-introduction $ ./c-program-example.exe
This is program #1
~/demos/week00-introduction $ ls -al directory/
total 13
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 03:42 .
drwxr-xr-x+ 1 rms46 rms46  0 Aug 16 04:42 ..
-rw-r--r-- 1 rms46 rms46 58 Aug 16 03:42 file1
-rw-r--r-- 1 rms46 rms46 58 Aug 16 03:42 file2
-rw-r--r-- 1 rms46 rms46 58 Aug 16 03:42 file3
-rw-r--r-- 1 rms46 rms46 58 Aug 16 03:42 file4
-rw-r--r-- 1 rms46 rms46 58 Aug 16 03:42 file5
~/demos/week00-introduction $
```

Figure: Cygwin

# Week 00: Problems

- Tugas Minggu 00 (Week 00) ada dua:
  - membuat QRC dan mengirimkannya via email.
  - membuat Memo Minggu 00 yang ada QRC, serta ditunjukkan pada saat istirahat kuliah hari ke dua.
- "TANDA PETIK" BUKAN merupakan bagian dari QRC!
- Jangan mencantumkan ".git" dan ".sso", jika bukan bagian dari nama akun anda!
- Tanpa header [W00] pada Subject; email anda mungkin akan nyasar entah kemana... Ingat: [W00] (We-Nol-Nol) tidak sama dengan [WOO] (We-O-O)!
- Ukuran QRC cukup sekitar 256 x 256 pixel: jangan terlalu besar atau terlalu kecil.
- QRC ditanam (embedded) dalam email; jangan menggunakan attachment!
- Jangan mengirim MEMO dalam format PDF!

# Week 00: Check List

- ☐ Starting **Week 01**: TABULA RASA is not accepted anymore!
- ☐ Find/copy this document from <http://os.vlsm.org/>
- ☐ Find/read a recent/decent OS Book and map it to **OSC10**.
- ☐ Using your **SSO** account, login to `badak.cs.ui.ac.id` via `kawung.cs.ui.ac.id`.
- ☐ Check folder `badak:///extra/Week00/`
  - ☐ Try to copy and compile `c-program-example.c`.
- ☐ QR Code: (Eg) "0S182 X 1253755125 demo Demo Suremo"
- ☐ Mailto: `operatingsystems@vlsm.org`  
(Eg.) Subject: 0S182 X 1253755125 demo Demo Suremo
- ☐ Write "Memo Week00" + your QRC.
- ☐ **How to improve this document?**

# The End

- ☐ This is the end of the presentation.
- ☒ This is the end of the presentation.
  - This is the end of the presentation.



# Week 00: Self Service Assignments

- Create project (**PUBLIC**) "os182" on your new (or existing) github.com account.
- (Week 00) QRCode<sup>1</sup>: "OS182  
CLASS ID GITHUB-ACCOUNT SSO-ACCOUNT SIAK-Full-Name"
- (Weekly) Memo.
- Informasi Kuliah, Arsip Ujian, dan Demo
  - badak.cs.ui.ac.id:/extra/
  - <https://github.com/UI-FASILKOM-OS/os182>
  - <https://rms46.vlsm.org/2/195.pdf> — [195.pdf - 205.pdf].
- Which BASH Account?
  - Virtual Ubuntu: badak.cs.ui.ac.id (SSO)
  - Ubuntu (BYOD)
  - WSL: Windows 10 Subsystem for Linux
  - Cygwin (Windows)

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<sup>1</sup>"QR Code" is a registered trademark and wordmark of Denso Wave Inc.

# Week 01: Problems

- Tugas Minggu 01 (Week 01) ada dua:
  - Memo Week01: to be checked at break of the first lecture of WEEK 01.
  - Try Demo Week01 and write in "README.md" (os181), something like: "ZCZC W01 Telah mencoba demo Week01".



Figure: README.md: ZCZC W01 ...

# Week 02: Problems

- Tugas Minggu 02 (Week 02) ada dua:
  - Memo Week02: to be checked at break of the first lecture of WEEK 01.
  - Try Demo Week02 and write in "README.md" (os181), something like: "ZCZC W02 Demo: done!".



Figure: README.md: ZCZC W02 Demo: done!

# The End

- ☐ This is the end of the presentation.
- ☒ This is the end of the presentation.
  - This is the end of the presentation.