Welcome to the SYS1

We've got fs and kernel

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Introduction

Historically, SYS1 meant walls of theoretical slides, no hands-on work.

Now, we get our hands dirty, together.

But we'll still walk through a few legacy slide deck from the past.

AI

Prompting to understand a concept: yes

Prompting to have a snippet of code: yes

Prompting to generate a whole file or project: no, this will be considered as cheating

A man once said

— **Gaby** (*Recrutement LSE*)

Un candidat au LSE | Moi j'aimerais bien faire du système
Gaby | Mais c'est quoi le système ?

#932 – Score : 1 (1 vote)

Figure 1: Mais c'est quoi le système ?

EPITA SYS MASTA

1. Piscine C/UNIX
2. Mini-projets C
3. SYS1
4. 42sh
5. SYS2
6. Assembly
7. K

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Well yes, but actually no

EPITA APPING SYS MASTA

1. Piscine C/UNIX $\rightarrow$ Yes !
2. Mini-projets C $\rightarrow$ First complications
3. SYS1 $\rightarrow$ Yes!
4. 42sh $\rightarrow$ Next year
5. SYS2 $\rightarrow$ Yes!
6. Assembly $\rightarrow$ Yes!
7. K $\rightarrow$ *Change my Facebook status to It's complicated*

TODO

- Catch up on key topics
- Hardware course implemented in your System course
- Legacy slide deck
- File systems and containers
- A bit of Intel x64 assembly
- Network programming
- A C project and a written exam (for the Hardware part) for your grades
- A LSE student sharing their passion for OSDev (on your Discord server)

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Virtual machine

The school uses NixOS as the Listro distro on the PIE (Parc Informatique de l'EPITA).

Before that, it was using Arch Linux (I use Arch btw).

They installed you ~~Ubuntu~~ **Arch** on your laptops.

But to be sure you're ready to work, I have prepared for you a virtual machine with Arch for your SYS project. You do dot need to install additional packages.

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Questions?