

# Laboratory - Crible Eratosthene

Valentin Ricard - Villegas Castrillon Adrian

January 1, 1970

## 1 Informations

## 2 Code

### 2.1 Example file

```
1 mod config;
2 mod cli;
3 mod commands;
4 mod latex;
5
6
7 use std::{fmt, fs};
8 use std::fs::read;
9 use std::path::PathBuf;
10 use std::process::exit;
11 use clap::Parser;
12 use anyhow::Result;
13 use console::{style, Style};
14 use similar::{ChangeTag, TextDiff};
15 use crate::cli::{Arguments, Subcommands};
16 use crate::latex::{CodeCompilation, CompilationFile, compile_latex};
17
18 struct Line(Option<usize>);
19
20 impl fmt::Display for Line {
21     fn fmt(&self, f: &mut fmt::Formatter) -> fmt::Result {
22         match self.0 {
23             None => write!(f, "    "),
24             Some(idx) => write!(f, "{:<4}", idx + 1),
25         }
26     }
27 }
28
29 fn main() -> Result<> {
30     let arguments = Arguments::parse();
31
32
33     match arguments.subcommand {
34         Subcommands::Test { .. } => {
35             println!("Testing include with dummy data!");
36             let context = CodeCompilation {
37                 name: "This is a test".to_string(),
38                 project_path: PathBuf::from("./"),
39                 model: PathBuf::from("./template.tex"),
40                 contents: vec![
41                     CompilationFile {
42                         name: "Example file".to_string(),
43                         path: PathBuf::from("./src/main.rs"),
```

```

44         }
45     ],
46 };
47
48     fs::write("./result.pdf",
49         compile_latex(&context)?)?;
50 }
51 Subcommands::Prepare { .. } => {}
52 Subcommands::Submit { .. } => {
53     println!("Submitting!")
54 }
55 Subcommands::New { .. } => {
56     println!("New!")
57 }
58 Subcommands::Make { .. } => {
59     println!("Make!")
60 }
61 }
62 Ok(())
63 }

```