



- cargo new grrs *# grep-rust, pronounced "grass"*
- echo 'structopt = "0.2"' >> Cargo.toml
- *# Write this in src/main.rs*

```
#[macro_use] extern crate structopt;  
use structopt::StructOpt;
```

```
/// Search for a pattern in a file
```

```
#[derive(StructOpt)]
```

```
struct Cli {
```

```
/// The pattern to look for
```

```
    pattern: String,
```

```
/// The path to the file to read
```

```
    path: String,
```

```
}
```

```
fn main() {
```

```
    let args = Cli::from_args();
```

```
    let content = std::fs::read_to_string(&args.path)  
        .expect("could not read file");
```

```
    for line in content.lines() {
```

```
        if line.contains(&args.pattern) {
```

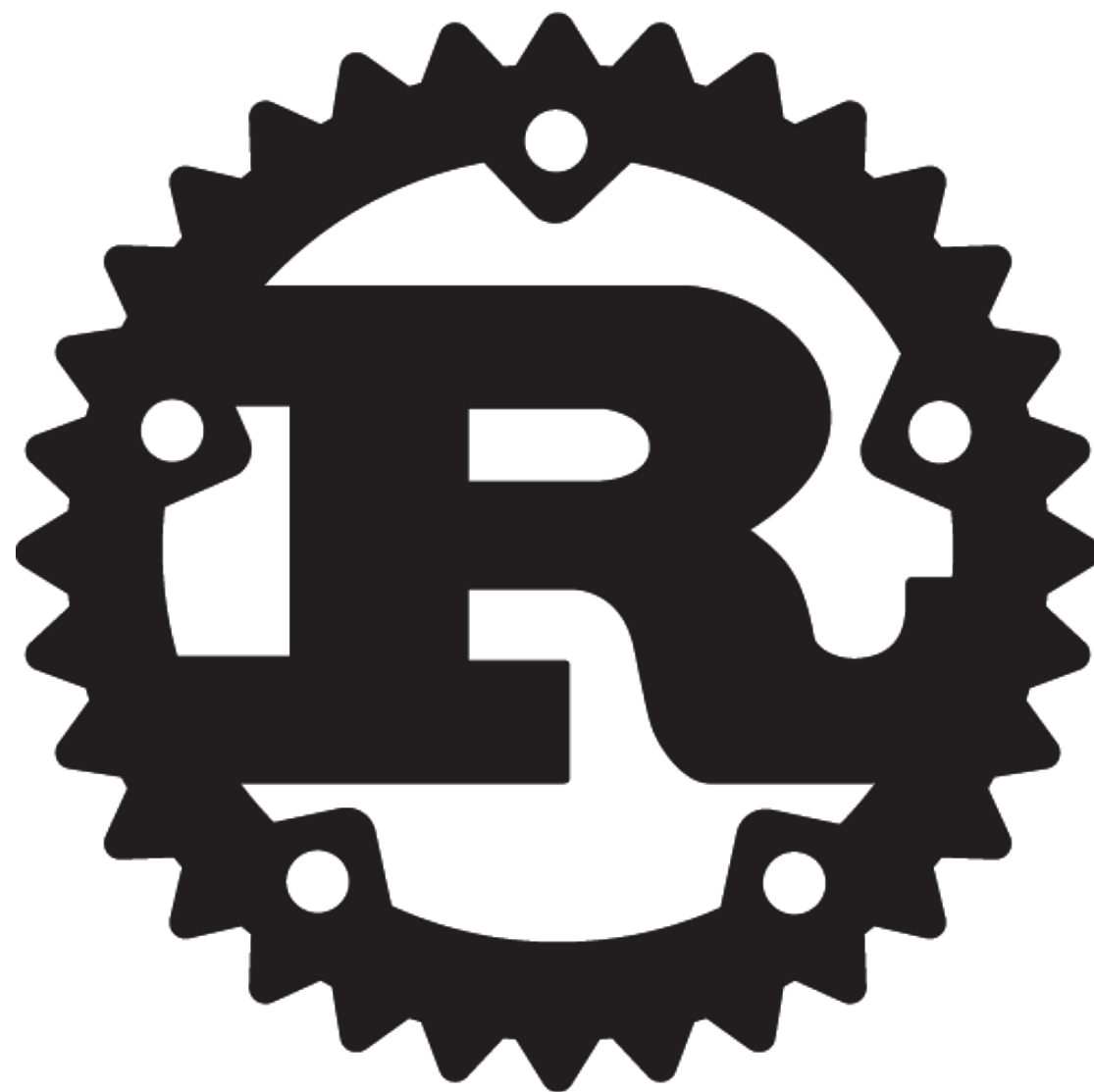
```
            println!("{}", line);
```

```
        }
```

```
    }
```

```
}
```

- cargo run
- cargo run -- --help
- cargo run -- some-pattern path/to/a/file



`rust-lang.org`