



```
► cargo new tiny-grep
► echo 'structopt = "0.2"' >> Cargo.toml
► # Write the following in src/main.rs:
#[macro_use] extern crate structopt;
use structopt::StructOpt;
```

```
/// Search for a pattern like "ulalala" 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 (n, line) in content.lines().enumerate() {
```

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

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

```
        }
```

```
    }
```

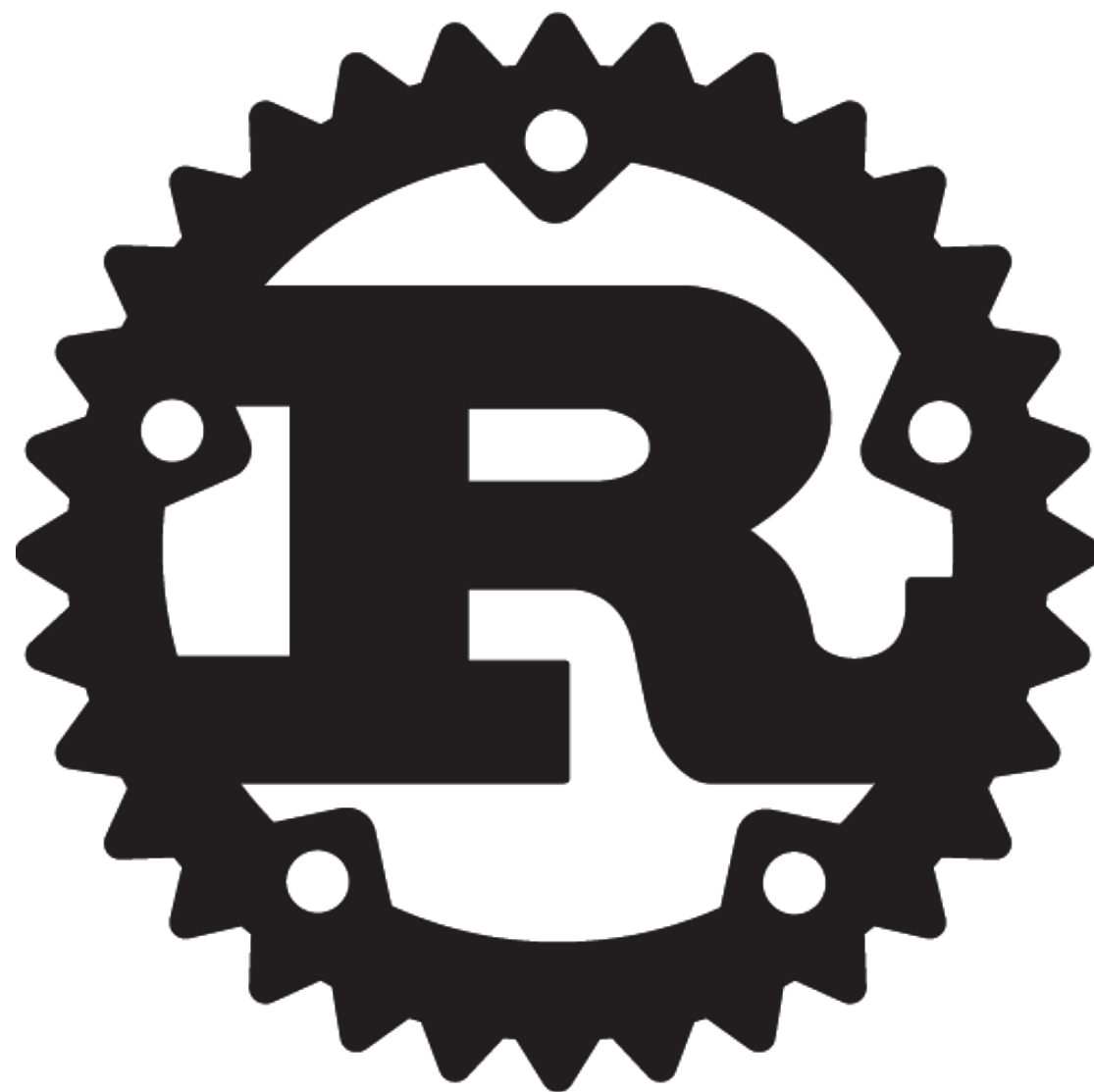
```
}
```

```
► cargo run
```

```
► cargo run -- --help
```

```
► cargo run -- ulalala src/main.rs
```

```
3: /// Search for a pattern like "ulalala" in a file
```



`rust-lang.org`