S

c

tokens_line_and_file_info()

State.code = TokensLineAndFileInfo

luerl_scan:tokens()

io:request()

luerl_parse:chunk()

replace linenum 1 in functiondef to structure of {filename, linenum}:

{"No File Source, function def", 1}

do_read_file()

do_parse()

do_insert_compiler_state_into_code()

do_comp_normalise()

luerl_comp_normalise:chunk()

luerl_comp_normalise:functiondef(Code, State)

```
functionblock()  ──────▶  luerl_comp_normalise:stmts()
```

```
                                    luerl_comp:file() ──────→ luerl_comp:compile()
                                         ↗                          ↑
                                        /                           |
                    luerl:loadfile() ─────→ luerl_emul:load_chunk() |
                        ↗                                           |
                       /                                            |
        luerl:dofile()                                              |
                       \                                            |
                        ↘                                           |
                    luerl_emul_call()                               |
                                                                    |
                                                                    |
                                         luerl_comp:string() ───────┘
                                              ↗
                                             /
                    load() ─────────────────
                        ↗      \
                       /        ↘
        luerl:do()              luerl_emul:load_chunk()
```

```
do_comp_vars()
    │
    ▼
do_comp_env()
    │
    ▼
do_code_gen()  ──────────▶  luerl_comp_cg:chunk()          luerl_comp_cg:functiondef(Code, State)
    │
    ▼
do_ok_return()
```
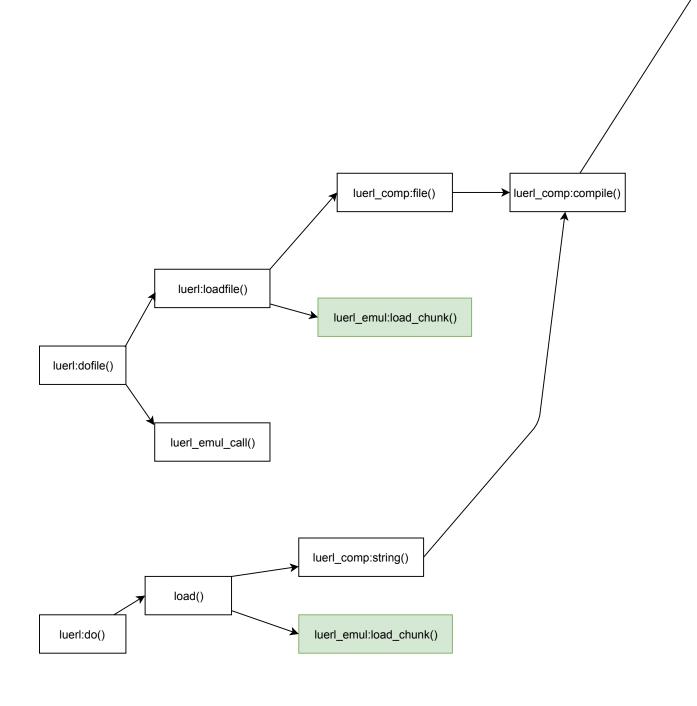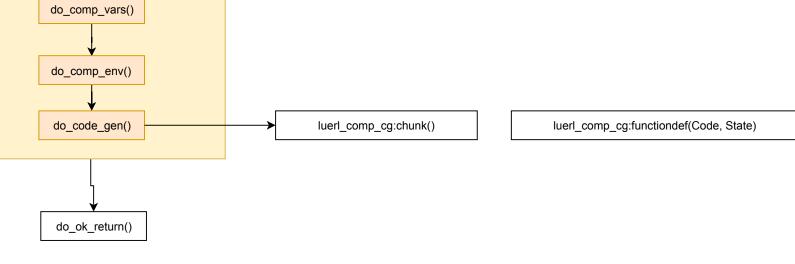
luerl_comp_cg:stmts()