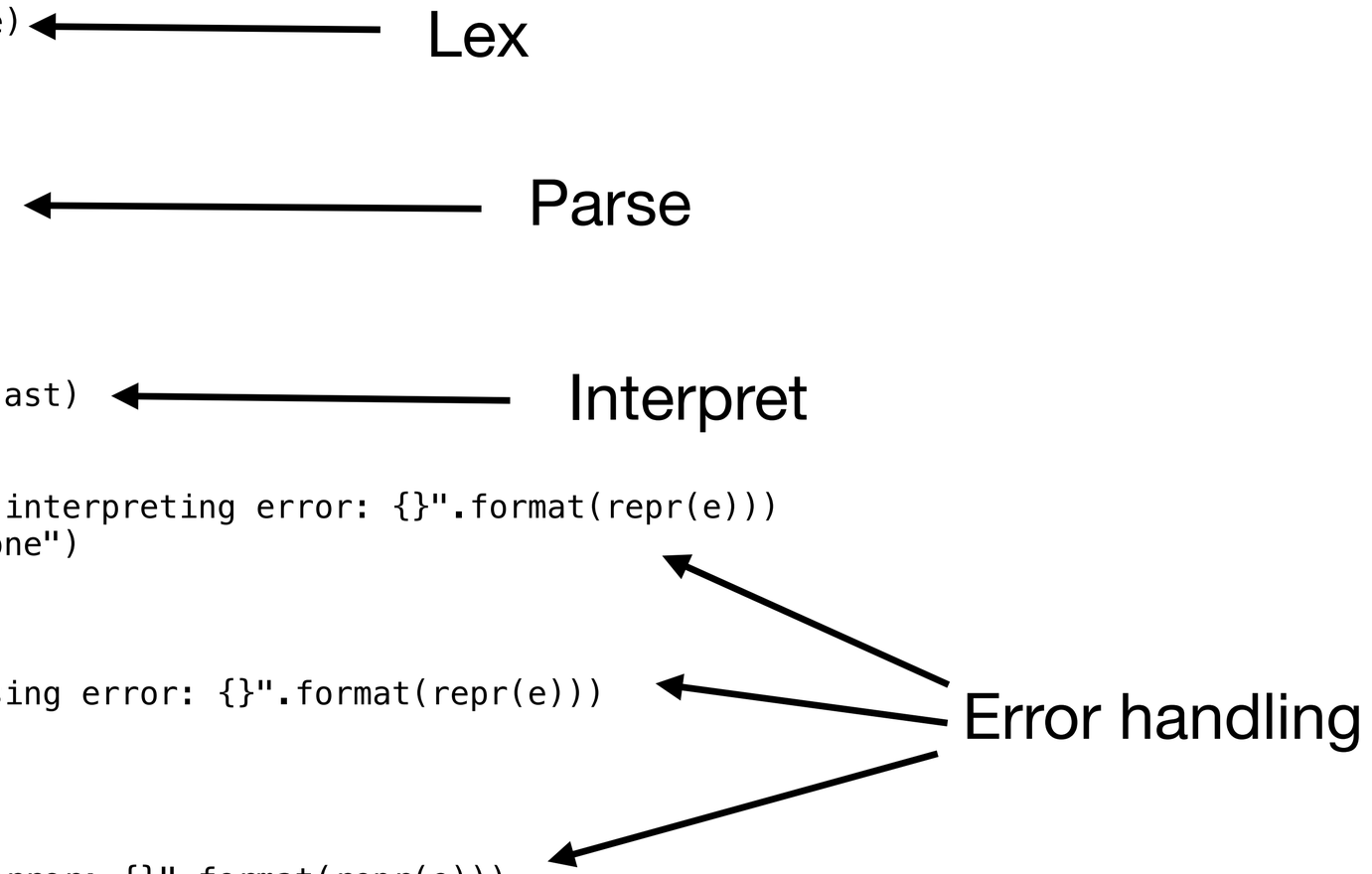
Running the steps in sequence

```
def interpret(source_code, verbose=False):
    try:
        lexemes = lexer.lex(source_code)
        if verbose:
            print("Lexemes:")
            print(lexemes)
        try:
            ast = parser.parse(lexemes)
            if verbose:
                print("AST:")
                print(ast)
            try:
                return process_ast_exp(ast)
            except Exception as e:
                if verbose:
                    print("Encountered interpreting error: {}".format(repr(e)))
                    print("Returning None")
                return None
        except Exception as e:
            if verbose:
                print("Encountered parsing error: {}".format(repr(e)))
                print("Returning None")
            return None
    except Exception as e:
        if verbose:
            print("Encountered lexing error: {}".format(repr(e)))
            print("Returning None")
        return None
```



Running from a file

Using argparse library to make it
easy to run from the command line

```
with open(args.file, "r") as f:
     source_code = f.read()

result = interpret(source_code)
```

All we need to do is call "interpret"
on the source code string!