Lexical Analysis Phase

Syntactic Analysis Phase (Parsing)

Execution Phase

character array

Lexical Analysis Phase

token array

Syntactic Analysis Phase (Parsing)

command

Execution Phase

---

```
echo one two three > myfile
```

```
Command name: echo
Command arg: one
Command arg: two
Command arg: three
Command stdin: NULL
Command stdout: myfile
```

```
echo one "two three" > myfile
```

```
Command name: echo
Command arg: one
Command arg: two three
Command stdin: NULL
Command stdout: myfile
```

```
echo one two > myfile three
```

```
Command name: echo
Command arg: one
Command arg: two
Command arg: three
Command stdin: NULL
Command stdout: myfile
```