



# Frozen String Syntax

## Feature #8579

```
$ ruby --dump=insns -e '"hello world"'
== disasm: <RubyVM::InstructionSequence:<main>@-e>=====
0000 trace          1                               ( 1)
0002 putstring      "hello world"
0004 leave
```

 Dups new object every time.  
Creates a lot of garbage objects.

```
$ ruby --dump=insns -e '"hello world"f'
== disasm: <RubyVM::InstructionSequence:<main>@-e>=====
0000 trace          1                               ( 1)
0002 putobject      "hello world"
0004 leave
```

 Reuses same frozen string object every time.  
Avoids creating many garbage objects.

'single quoted'f

- No interpolation
- Reuses same frozen object
- Can be deduplicated across whole program

"double #{:quoted}"f

- Allows interpolation
- Creates new object each time
- Returns a frozen string
- Same as "double #{:quoted}".freeze