

Each Square OBJECT has its own
side variable (non-static) in
memory

Square s1
side = 2

Square s2
side = 10

Square s3
side = 5

All Square objects share the
same static variable in memory

class Square
numberOfInstances = 3

```
System.out.println(s1.numberOfInstances)  
System.out.println(Square.numberOfInstances)
```

side is a non-static variable, meaning it is an
instance scoped variable. It is scoped specifically to
an individual object

numberOfInstances is a static variable, meaning it is
static scoped (or class scoped). It is a variable
scoped to the class itself, which any instances of
that class will share.