

Symbol Table

Var	Type	Value
s	String	30
t	String	38

```
String s,t;
```

```
s = new String("hello");
```

```
t = new String("hello");
```

```
if (s == t)
```

```
    System.out.println("equal");
```

```
else System.out.println("different");
```

Memory

30 s

200

38 t

300

200

"hello"

300

"hello"

String s, t;

s = new String("hello");

t = "hello"; // string literal

if (s == t)

System.out.println("equal");

else System.out.println("different");

Symbol Table

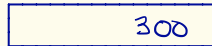
Var	Type	Value
s	String	30
t	String	38

Memory

30 s



38 t



200



300



String s, t;

s = "hello"; // string literal

t = "hello";

if (s == t)

System.out.println("equal");

else System.out.println("different");

Symbol Table

Var	Type	Value
s	string	20
t	string	30

Memory

Interning

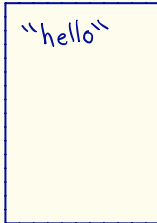
20 s



30 t



200



Symbol Table

Var	Type	Value
p	Person	100
q	Person	200
i	int	300
j	int	400
equal	boolean	500

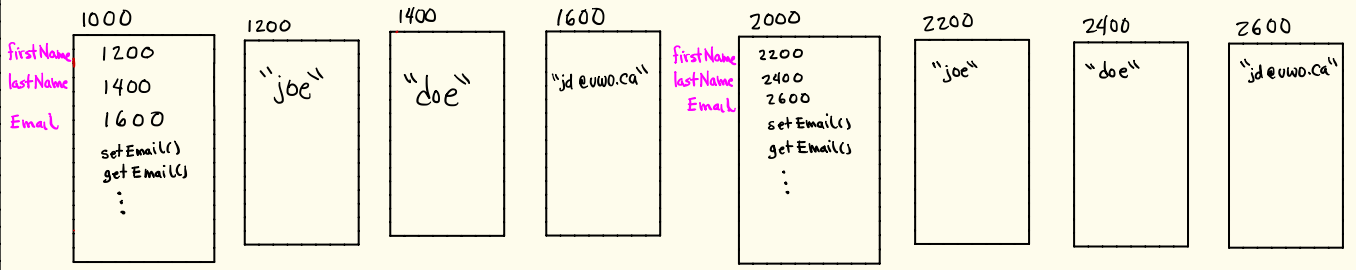
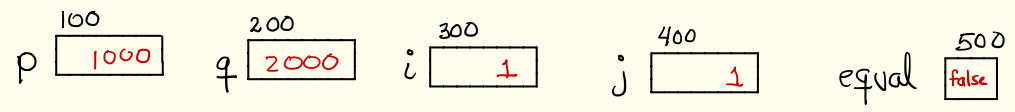
```

Person p, q;
int i, j;
boolean equal;

i=1; j=1;
if (i==j) equal=true;
else equal=false;

p=new Person("joe", "doe", "jd@uwo.ca");
q=new Person("joe", "doe", "jd@uwo.ca");
if (p==q) equal=true;
else equal=false;

```



```

Person p, q;
int i, j;
boolean equal;
i=1; j=1;
if (i==j) equal=true;
else equal=false;

```

```

p = new Person("joe", "doe", "jd@uwo.ca");
q = new Person("joe", "doe", "jd@uwo.ca");
if (p.equals(q)) equal=true;
else equal=false;

```

Symbol Table

Var	Type	Value
p	Person	100
q	Person	200
i	int	300
j	int	400
equal	boolean	500

