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1: #!/afs/cats.ucsc.edu/courses/cmps112-wm/usr/smalltalk/bin/gst -f
2: "$Id: sortedcollection.st,v 1.3 2012-03-07 14:40:03-08 - - $"
3:
4: Object subclass: Name [
5:   |first last|
6:   first [^ first]
7:   last [^ last]
8:   Name class >> new [self shouldNotImplement]
9:
10:   Name class >> new: last first: first [
11:     |result|
12:     result := super new.
13:     result setFirst: first setLast: last.
14:     ^ result.
15:   ]
16:
17:   setFirst: myFirst setLast: myLast [
18:     first := myFirst.
19:     last := myLast.
20:   ]
21:
22:   <= other [
23:     last = other last
24:     ifTrue: [^ first <= other first]
25:     ifFalse: [^ last <= other last].
26:   ]
27:
28:   printOn: aStream [
29:     ^ aStream << last << ', ' << first.
30:   ]
31: ]
32:
33: sortcol := SortedCollection new.
34: sortcol add: (Name new: 'Doe' first: 'John').
35: sortcol add: (Name new: 'Roe' first: 'Mary').
36: sortcol add: (Name new: 'Smith' first: 'Joe').
37: sortcol add: (Name new: 'Smith' first: 'Jane').
38:
39: nl := Character nl.
40: sortcol do: [:item| stdout << item << nl.].
41:
42: "TEST: sortedcollection.st"
```

```
1: *****mks***** sortedcollection.st 2>&1
2: Doe, John
3: Roe, Mary
4: Smith, Jane
5: Smith, Joe
6: *****status: 0x0000
7:
```