

```
00: class CrazyInClassExercise {
01:     public static void main(String args[]) {
02:         Thingamajig x = new Thingamajig();
03:         Thingamajig y = x;
04:         Thingamajig z = new Thingamajig("Queen Bee");
05:         z.rejoice();
06:         String ans = doCrazyThings(x,y,z) + " ";
07:         Thingamajig q = new Thingamajig("USA!");
08:         ans = ans + q.getMonth() + " ";
09:         q.sadFace();
10:         ans = ans + x.boast() + " ";
11:         ans = ans + x.whatchamacallit;
12:         q.beVerySad(3);
13:         ans = ans + q.letter() + " ";
14:         z.happyFace();
15:         ans = ans + z.letter() + " ";
16:         ans = ans + x.whatzit + " ";
17:         q.sadFace();
18:         y.sadFace();
19:         char point = q.whatzit.charAt(x.whatchamacallit);
20:         ans = ans + q.letter() + point;
21:         System.out.println(ans);
22:     }
```

(class CrazyInClassExercise continued...)

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23:
24:     static String doCrazyThings(Thingamajig a, Thingamajig b, Thingamajig c) {
25:         int bigDiff = c.whatchamacallit - a.whatchamacallit;
26:         b.beVerySad(bigDiff);
27:         c.beVerySad(a.whatzit.length());
28:         return a.sayHello() + c.boast();
29:     }
30: }
```

```
31: public class Thingamajig {
32:
33:     String whatzit;
34:     int whatchamacallit;
35:
36:     Thingamajig() {
37:         this.whatzit = "which";
38:         this.whatchamacallit = 7;
39:     }
40:
41:     Thingamajig(String hoozit) {
42:         this.whatzit = hoozit;
43:         this.whatchamacallit = 5;
44:     }
45:
46:     String sayHello() {
47:         return "Yo";
48:     }
49:
50:     void rejoice() {
51:         for (int i=0; i<5; i++) {
52:             this.happyFace();
53:         }
54:     }
55:
56:     String boast() {
57:         if (this.whatchamacallit > 8) {
58:             return "I'm up to " + this.whatchamacallit + "!";
59:         } else {
60:             return "duh";
61:         }
62:     }
63:
```

(class Thingamajig continued...)

```
64:     String getMonth() {
65:         if (this.whatchamacallit == 4) {
66:             return "April";
67:         }
68:         if (this.whatchamacallit == 5) {
69:             return "May";
70:         }
71:         if (this.whatchamacallit == 6) {
72:             return "June";
73:         }
74:         return "January";
75:     }
76:
77:     void beVerySad(int howsad) {
78:         for (int i=0; i<howsad; i++) {
79:             this.sadFace();
80:         }
81:     }
82:
83:     void sadFace() {
84:         this.whatchamacallit--;
85:     }
86:
87:     void happyFace() {
88:         this.whatchamacallit++;
89:     }
90:
91:     char letter() {
92:         return this.whatzit.charAt(this.whatchamacallit);
93:     }
94: }
```