

```

1  %!PS
2  %%Author: Eryn Kelsey-Adkins
3  %%Class: CS 3210
4  %%Project: PostScript
5  %%Title: Rainbow Triangles
6
7  /doAuthor
8    %prints the author's name
9    %x position: 36, y position: 36
10   {/Geneva findfont 10 scalefont setfont
11     36 36 moveto
12     (Eryn Kelsey-Adkins) show
13   } def
14
15   /triangle
16   %prints an equilateral triangle
17   %len is the length of each side
18   {/len exch def
19     0 0 moveto
20     len 0 rlineto
21     120 rotate
22     len 0 rlineto
23     240 rotate
24     closepath
25     stroke} def
26
27
28   /red {1.0 0.0 0.0 setrgbcolor} def
29   /orange {1.0 0.7 0.0 setrgbcolor} def
30   /yellow {1.0 1.0 0.0 setrgbcolor} def
31   /green {0.0 1.0 0.0 setrgbcolor} def
32   /blue {0.0 1.0 1.0 setrgbcolor} def
33   /indigo {0.0 0.0 1.0 setrgbcolor} def
34   /violet {0.7 0.3 1.0 setrgbcolor} def
35
36   /x 198 def
37   /y 180 def
38   /h 360 def
39
40   /rainbow
41   {red h triangle
42     2 rotate
43     /h h 8 sub def
44     orange h triangle
45     2 rotate
46     /h h 8 sub def
47     yellow h triangle
48     2 rotate
49     /h h 8 sub def
50     green h triangle
51     2 rotate
52     /h h 8 sub def
53     blue h triangle
54     2 rotate
55     /h h 8 sub def
56     indigo h triangle
57     2 rotate
58     /h h 8 sub def
59     violet h triangle} def
60
61   doAuthor
62
63   newpath
64   x y translate
65   4 setlinewidth
66
67   1 1 20 {rainbow} for
68
69   showpage

```