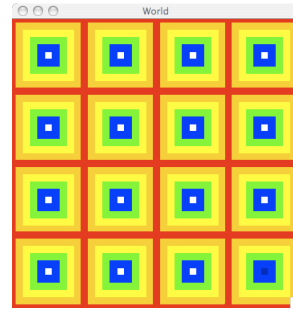


JES Quilting Turtle Project

Directions:

1. Type in the Code in the Box
2. Click “Load Program”
3. Click “Yes”
4. Save your program in your file area as “LastnameQuilt.py”
5. Your turtle should make a quilt pattern like this:



```
1 # Quilted Square
2 # By Firstname Lastname
3
4 # Make a World and a Turtle
5 earth = makeWorld(400, 400)
6 turtle = makeTurtle(earth)
7
8 # Make a Square
9 def makeSquare(turtle, size):
10     for i in range(4):
11         turtle.forward(size)
12         turtle.turn(90)
13
14 # Set Pen Width
15 turtle.penWidth = 10
16
17 colors = [red, orange, yellow, green, blue]
18
19 # Color Chooser
20 def colorChooser(i):
21     turtle.color = colors[i]
22
23 # Pick Up and Move
24 def pickUpMove(turtle, move):
25     turtle.penUp()
26     newX = getXPos(turtle) + move
27     newY = getYPos(turtle) - move
28     turtle.moveTo(newX, newY)
29     turtle.penDown()
30
31 # Quilt Square1
32 def quiltSquare(turtle):
33     for i in range(5):
34         colorChooser(i)
35         size = 100 - i*20
36         makeSquare(turtle, size)
37         pickUpMove(turtle, 10)
38
39 #Row of Squares
40 def rowOfQuilt(turtle, startX, startY):
41     for i in range(4):
42         turtle.penUp()
43         turtle.moveTo(startX, startY)
44         turtle.penDown()
45         quiltSquare(turtle)
46         startX = startX + 100
47
48 #Make the Quilt
49 def makeQuilt(turtle):
50     startX = 0
51     startY = 100
52     for i in range(4):
53         rowOfQuilt(turtle, startX, startY)
54         startY = startY + 100
55
56 makeQuilt(turtle)
57
58
```