

Homework Turnin

Name:	Xuqing Wu
Account:	xw88 (xw88@uw.edu)
Student ID:	1933202
Section:	AS
Course:	CSE 142 19au
Assignment:	a3
Receipt ID:	f0b510e6edba58893e803878009f86f1

Turnin Successful!

The following file(s) were received:

CafeWall.java (1330 bytes, sha256: 49fd4c0703569eccbd217b988034928)

```
1. // Xuqing Wu
2. // 10/13/2019
3. // CSE142
4. // TA: Ethan M Knutson
5. // Assignment #3 PartB
6. //
7. // This program will show a Cafe Wall.
8.
9. import java.awt.*;
10.
11. public class CafeWall{
12.     public static final int GAP=2;
13.     public static void main(String[] args){
14.         DrawingPanel panel = new DrawingPanel(650,400);
15.         Graphics s = panel.getGraphics();
16.         panel.setBackground(Color.GRAY);
17.         drawrow(s,0,0,20,4);
18.         drawrow(s,50,70,30,5);
19.         drawgrid(s,8,4,0,25,10,150);
20.         drawgrid(s,6,3,10,25,250,200);
21.         drawgrid(s,10,5,10,20,425,180);
22.         drawgrid(s,4,2,35,35,400,20);
23.     }
24.
25.     //draw one single row
26.     public static void drawrow(Graphics s, int x, int y, int size, int num){
27.         for(int i=1; i<=num; i++){
28.             s.setColor(Color.BLACK);
29.             s.fillRect(x+2*size*(i-1),y,size,size);
30.
31.             s.setColor(Color.BLUE);
32.             s.drawLine(x+2*size*(i-1),y,x+2*size*i-size,y+size);
```

```

33.         s.drawLine(x+2*size*i-size,y,x+2*size*(i-1),y+size);
34.
35.         s.setColor(Color.WHITE);
36.         s.fillRect(x+2*size*i-size,y,size,size);
37.     }
38. }
39.
40. //draw repetitive rows
41. public static void drawgrid(Graphics s, int row, int column, int offset, int
42.     for(int i=1; i<=row; i++){
43.         drawrow(s,x+((i+1)%2)*offset,y+(size+GAP)*(i-1),size,column);
44.     }
45. }
46. }

```

Doodle.java (651 bytes, sha256: 031a14c5a29ad6c7e5a914aff1dfe2d9)

```

1. // Xuqing Wu
2. // 10/13/2019
3. // CSE142
4. // TA: Ethan M Knutson
5. // Assignment #3 PartA
6. //
7. // This program will show a beautiful picture.
8.
9. import java.awt.*;
10.
11. public class Doodle{
12.     public static void main(String[] args){
13.         DrawingPanel panel = new DrawingPanel(400,400);
14.         Graphics g = panel.getGraphics();
15.         panel.setBackground(Color.BLUE);
16.         g.setColor(Color.RED);
17.         g.fillRect(50,50,300,300);
18.         g.setColor(Color.BLACK);
19.         g.fillOval(100,100,200,200);
20.         g.setColor(Color.GREEN);
21.         g.fillOval(150,150,100,100);
22.         g.setColor(Color.CYAN);
23.         g.drawLine(100,200,300,200);
24.         g.drawLine(200,100,200,300);
25.     }
26. }
27.

```