INTRODUCTION TO JAVA

ACTIVITY 3 – FUNCTIONS

- 1. PlayThatTuneDeluxe => StairwayToHeaven (1/8, ¼, 1/2, 1, 2)
 - a. Done. Modified function note(int pitch, double t) to add new harmonics

2. Calendar

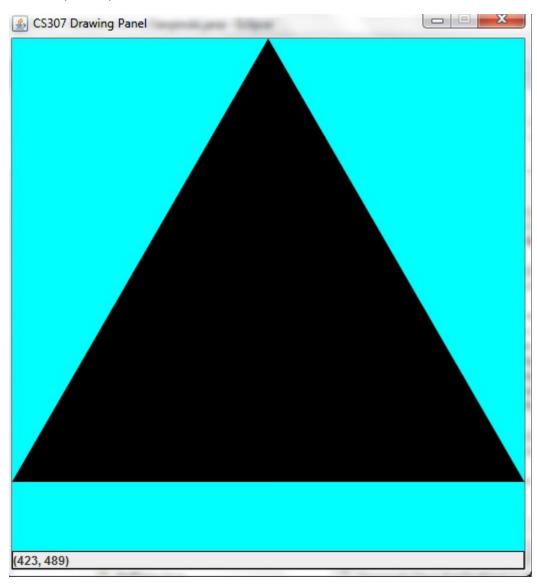
OUTPUT

February 2016

S M Tu W Th F S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29

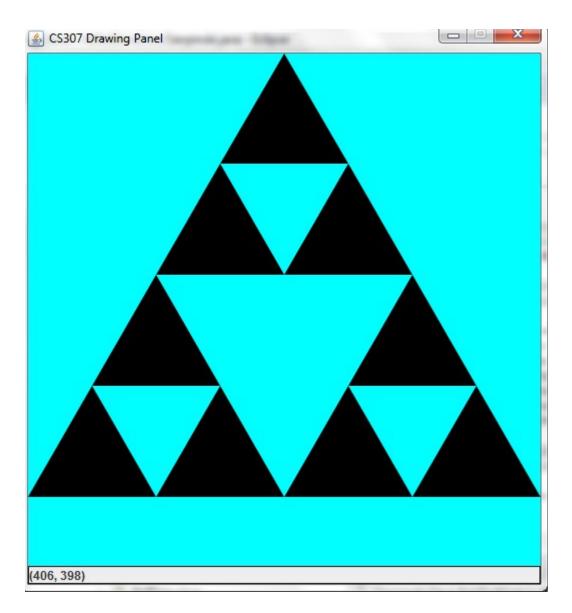
3. Sierpinski (Calculate black triangle area)

OUTPUT (Level 1)



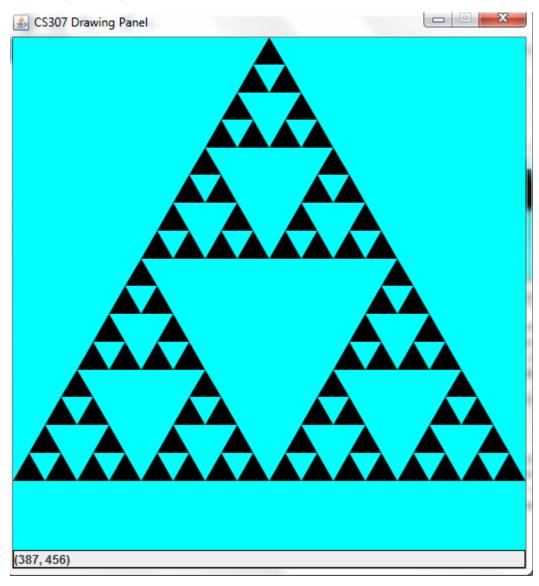
What level do you want? 1 No. of black inverted triangles: 1 No. of upright white triangles: 0 Total Black Area = 113408.0

OUTPUT (Level 3)



What level do you want? 3 No. of black inverted triangles: 9 No. of upright white triangles: 4 Total Black Area = 63936.0

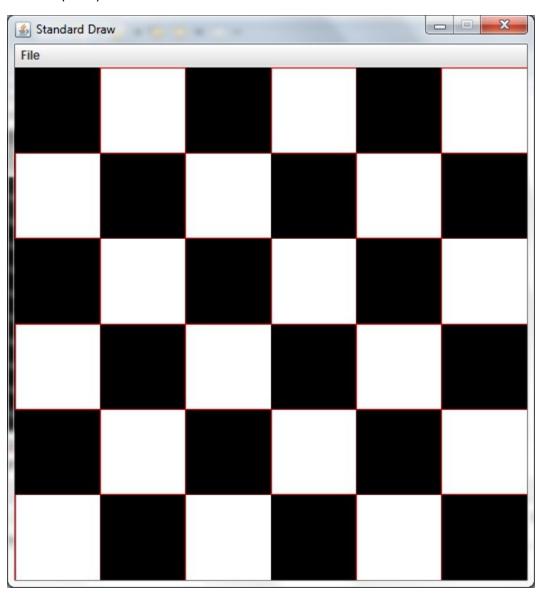
OUTPUT (Level 5)



What level do you want? 5 No. of black inverted triangles: 81 No. of upright white triangles: 40 Total Black Area = 36288.0

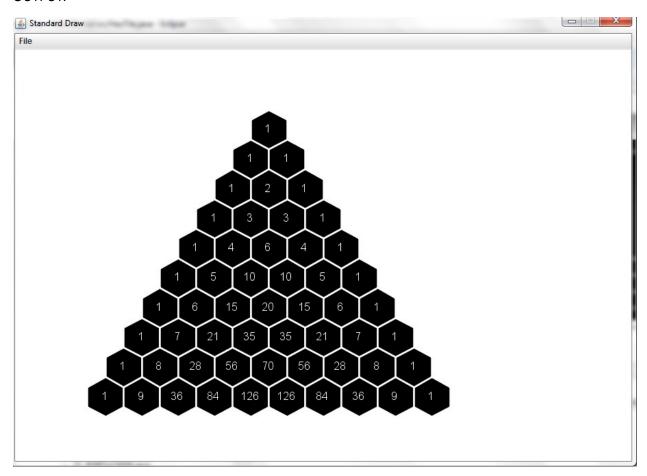
4. Diamond Tile (Modified to draw a Chess Board

OUTPUT (N = 6)



5. HexTile + Pascal Triangle

OUTPUT:

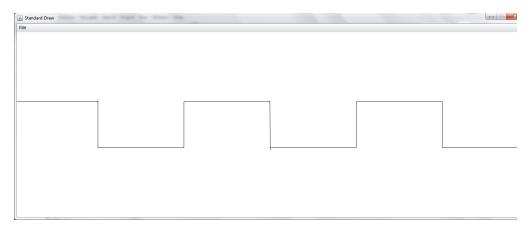


6. IBM Digit Verification

Done => See result on code

7. SawTooth

OTUPUT:



8. IFS.java

OUTPUT

