Homework Turnin

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Section:	AS
Course:	CSE 142 19au
Assignment:	a2
Receipt ID:	cbeb402bf07d15f2a4a2628383bd4470

Turnin Successful!

The following file(s) were received:

AsciiArt.java (694 bytes, sha256: fa676941b4a3591b28f600111390b15c)

```
1.  // Xuqing Wu
2.  // 10/5/2019
3.  // CSE142
4.  // TA: Ethan M Knutson
5.  // Assignment #2 PartA
6.  //
7.  // This program will show a sequence of cute emogi.
8.
9.  public class AsciiArt{
10.    public static final int SIZE=4;
11.    public static void main(String[] args){
12.       for(int line=1;line<=SIZE;line++){
13.          for(int j=1;j<=-line+5;j++){
14.             System.out.print("   ");
15.          }
16.          for(int j=1;j<=-2*line+2*SIZE;j++){
17.             System.out.print("(-_-)");
18.          }
19.          for(int j=1;j<=5*line-SIZE*1;j++){
20.             System.out.print("(_)");
21.          }
22.          for(int j=1;j<=-2*line+2*SIZE;j++){
23.             System.out.print("(-_-)");
24.          }
25.       System.out.println();
26.       }
27.    }
28. }
```

SpaceNeedle.java (2329 bytes, sha256: 0cbf813c33105daae01a6b40b49d44d

```
1.  // Xuqing Wu
```

```
 2. // 10/5/2019
 3. // CSE142
 4. // TA: Ethan M Knutson
 5. // Assignment #2 PartB
 6. //
 7. // This program will show an image of Space Needle.
 8.
 9. public class SpaceNeedle{
10.    public static final int SIZE=4;
11.    public static void main(String[] args){
12.       column();
13.       hill();
14.       row();
15.       valley();
16.       column();
17.       cone();
18.       hill();
19.       row();
20.    }
21.
22.    //produce the two column part
23.    public static void column(){
24.       for(int i=1;i<=SIZE;i++){
25.          for(int j=1;j<=3*SIZE;j++){
26.             System.out.print(" ");
27.          }
28.          System.out.print("||");
29.          System.out.println();
30.       }
31.    }
32.
33.    //produce the upper part of top
34.    public static void hill(){
35.       for(int i=1;i<=SIZE;i++){
36.          for(int j=1;j<=-3*i+3*SIZE;j++){
37.             System.out.print(" ");
38.          }
39.
40.          System.out.print("__/");
41.
42.          for(int j=1;j<=3*i-3;j++){
43.             System.out.print(":");
44.          }
45.
46.          System.out.print("||");
47.          for(int j=1;j<=3*i-3;j++){
48.             System.out.print(":");
49.          }
50.
51.          System.out.print("\\__");
52.          System.out.println();
53.       }
54.    }
55.
56.    //produce the one-line middle part of top
57.    public static void row(){
58.       System.out.print("|");
59.       for(int i=1;i<=6*SIZE;i++){
60.          System.out.print("\"");
61.       }
62.       System.out.print("|");
63.       System.out.println();
64.    }
65.
66.    //produce the lower part of top
67.    public static void valley(){
68.       for(int i=1;i<=SIZE;i++){
69.
```

```
70.            for(int j=1;j<=2*i-2;j++){
71.               System.out.print(" ");
72.            }
73.
74.            System.out.print("\\_");
75.
76.            for(int j=1;j<=i*-2+3*SIZE+1;j++){
77.               System.out.print("/\\");
78.            }
79.
80.            System.out.print("_/");
81.            System.out.println();
82.         }
83.      }
84.
85.      //produce the straight body part
86.      public static void cone(){
87.         for(int i=1;i<=SIZE*SIZE;i++){
88.            for(int j=1;j<=2*SIZE+1;j++){
89.               System.out.print(" ");
90.            }
91.            System.out.print("|");
92.            for(int j=1;j<=SIZE-2;j++){
93.               System.out.print("%");
94.            }
95.            System.out.print("||");
96.            for(int j=1;j<=SIZE-2;j++){
97.               System.out.print("%");
98.            }
99.            System.out.print("|");
100.           System.out.println();
101.        }
102.     }
103. }
```