Student Id: **7608144**

Name: Pavan Sokke Nagaraj

Console output from Eclipse for Image 8

Binary Image Input:

BINARY IMAGE INPUT_____

```
1111111

1111

1 1 111111

1111 111

1111 1111

111 111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 111

1111 1111

1111 1111

1111 1111

1111 1111

1111 1111

1111 1111

1111 1111
```

Result of Binary Image Smoothing using 3x3 filter mask:
_____BINARY IMAGE AFTER SMOOTHING_____

Student Id: **7608144**

Name: Pavan Sokke Nagaraj

Result of 4 Neigbors filling:

BINARY IMAGE AFTER 4 NEIGHBORS FILLING_____

Student Id: **7608144**

Name: Pavan Sokke Nagaraj

Assignment 2 Name: Pavan Sokke Nagaraj

Result of 8 Neigbors filling:
_____BINARY IMAGE AFTER 8 NEIGHBORS FILLING______

Student Id: **7608144**

Result of Size Normalization Binary Image:

Row Size before size normalization : 26
Row Size before size normalization : 34

Normalized Row Size : 12 Normalized Column Size : 16

BINARY IMAGE AFTER SIZE NORMALIZATION____

Binary Image's "Center Of Gravity" is at Row Index: 11 Column Index: 17 Center of Gravity pixel denoted by NUMBER '8'

Student Id: 7608144

Name: Pavan Sokke Nagaraj

COMP 6731 Pattern Recognition Assignment 2

Size Normalized Binary Image's "Center Of Gravity" is at Row Index: 5
 Column Index: 8
Center of Gravity pixel denoted by NUMBER '8'

Student Id: **7608144**

Name: Pavan Sokke Nagaraj

Result of Zhang-Suen Skeletonization Binary Image:

BINARY IMAGE AFTER ZHANG-SUEN THINNING