

Main_File

File Name : charact.txt

Open

Note: This program is most suitable for charact.txt.
Other txt files also readable.

ABOUT ---- This program is written as term project of
MACHINE VISION (ME5405) semester 2008/2009
Written by:
Akhmad Fauzan (G0603069) James K. Rappel(G0700913)

INFORMATION

File Name : charact.txt
Gray level range : 0-31
Original Size (pix) : 64x64
Display Size (pix) : 209x209

Listbox of Histogram Data

Value : 0 Count : 3806

Value : 1 Count : 13

Value : 2 Count : 10

Value : 3 Count : 15

Value : 4 Count : 21

Value : 5 Count : 12

Value : 6 Count : 3

Value : 7 Count : 12

Value : 8 Count : 7

Value : 9 Count : 6

Value : 10 Count : 14

Value : 11 Count : 15

Value : 12 Count : 10

Value : 13 Count : 17

Value : 14 Count : 9

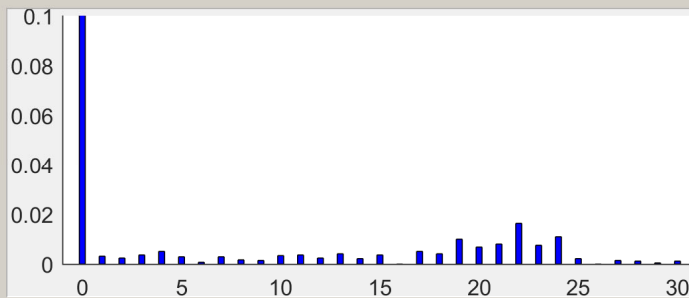
Value : 15 Count : 15



INPUT: Original Image

OUTPUT **Please select image**

Histogram of Original Image
(Actual values may exceed scale. Refer to listbox for complete data)



REFERENCE

Original Image

OUTPUT

Manual Binary Image

Auto Binary Image

Outline Image

Segment Image

Rotate Image

Shuffle Char.

☐ Binary

☐ Grayscale

Please use 'Exit' button
to close application and
clear variables.

Exit

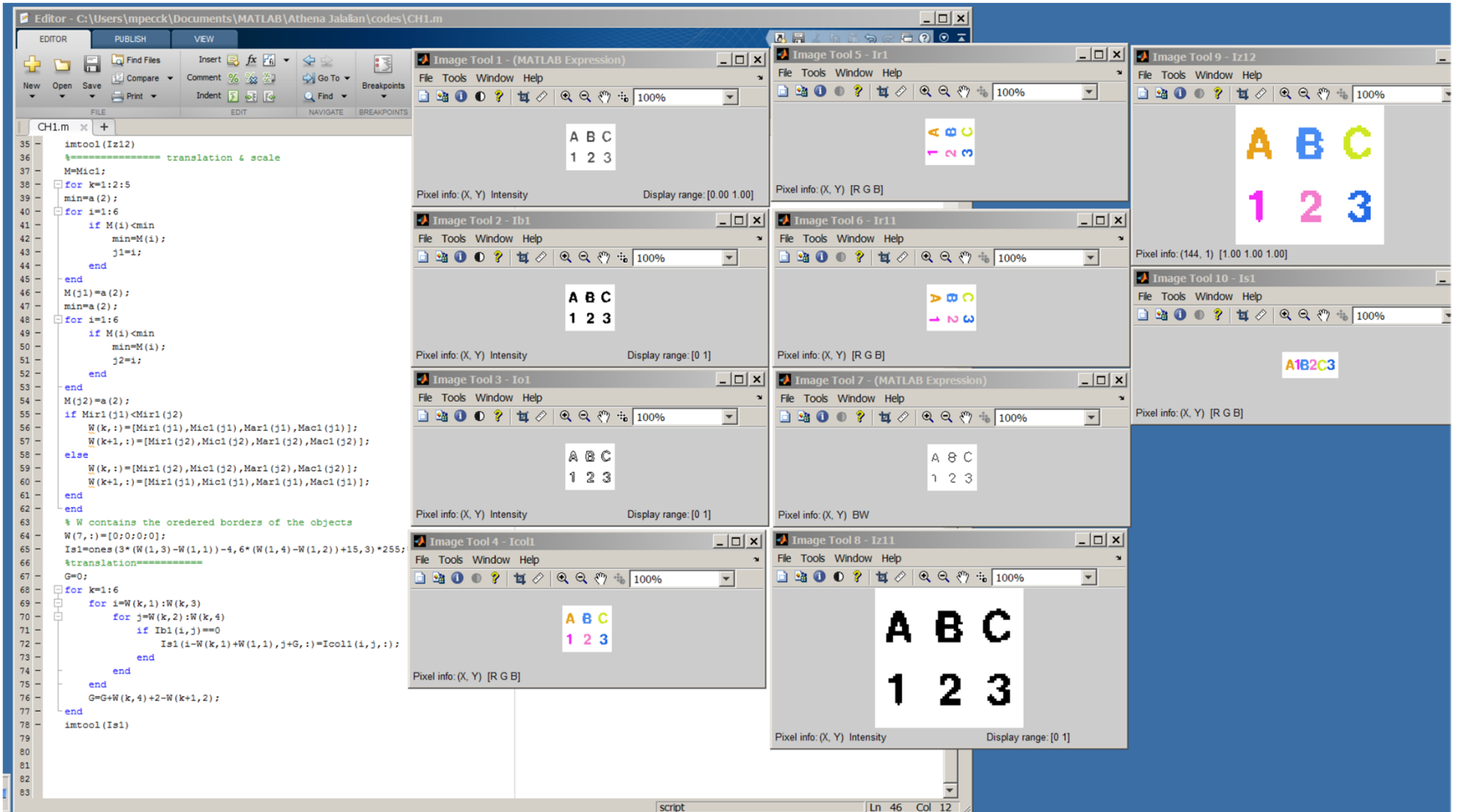
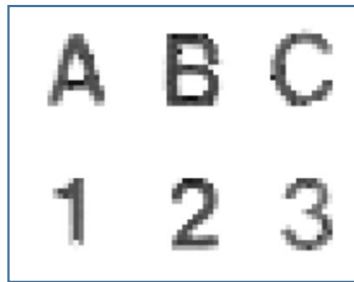
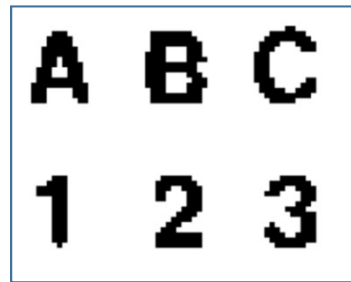


Image 2



Displaying image 1

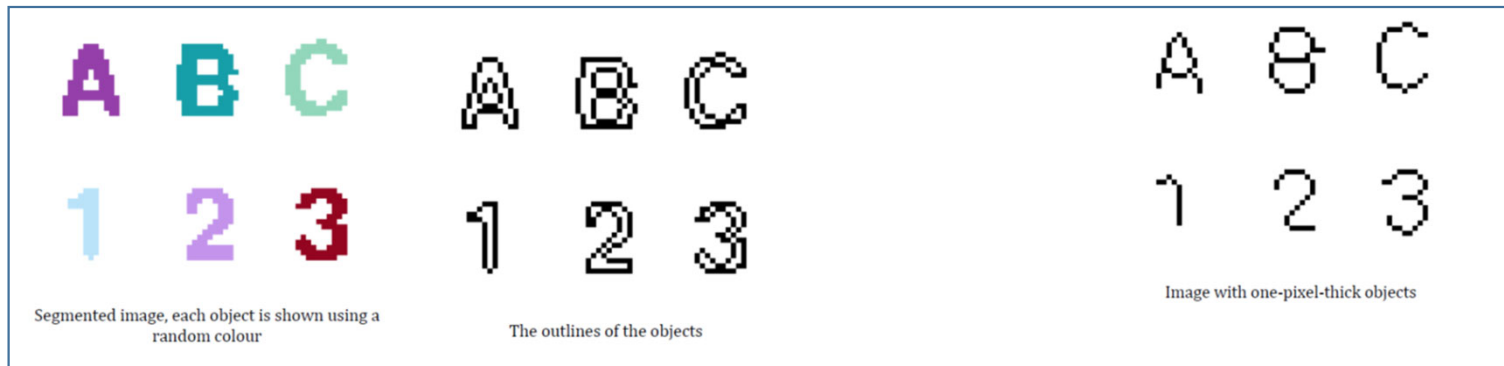


Binary image



Rotation, 90 CW

Rotation, 90 CCW



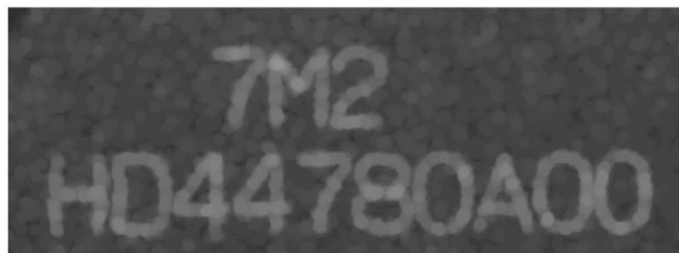
Segmented image, each object is shown using a random colour

The outlines of the objects

Image with one-pixel-thick objects



Scaled image and translated objects



The opened image, structure element: disk r=8



Binary image, thd=90



Segmented image, each object is shown using a random colour



The outlines of the objects



Rotation, 90 CCW



Rotation, 90 CW



Image with one-pixel-thick objects



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What we are looking for in our grading:

Correctness of solution

Quality of solution

Effort

Proper report writing

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PC Clusters

PC Clusters						
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Saturday :	8am – 6pm
Sunday & Public Holidays :	Closed

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