DESIGN ACTIVITY 2

Consider the Karnal size 3 x 3.

a1 a2 a3

a4 a5 a6

a6 a7 a8

Example values of the kernel.

unfiltered values		
5	3	6
2	1	9
8	4	7

Consider the kernel size is 3 x 3 on image data. Write MPI program to perform the following tasks.

- 1. Identify the Minimum number, let us say mn.
- 2. Identify the Maximum number, let us say mx.
- 3. The average of the these to number is i.e., Av = (mn + mx)/2 will be stored in the output of the pixel position a5 i.e., instead of 1.

Implement in MPI and feed input as a lena image data value enclosed. You can use any gray scale image data and generate output.