**CSC 545/645 Computer Speech, Music and Images**

**Short Exercise No. 2**

**Image Puzzles**

**Goal**

Practice manipulating pixels

**Background**

Each of these exercises has a hidden image that you can display by manipulating the pixel values.

**Procedure**

Display the hidden images by modifying the pixel values as instructed in the files provided for you. Start with S02a; S02b and S02c become progressively more complex, although the operations should be reasonably straightforward. Solutions are provided for all of them – but try to solve each one on your own before looking at the solution. I think we’ve covered everything you need to know in prior videos, so I don’t plan to record videos covering these solutions. But let me know if you have any questions or if there is anything you don’t understand in the solutions.

**Deliverables**

This is a short exercise so there is nothing that you need to turn in.