Coding assignment:

The idea here is to see what addresses of your MSP 430 chip have populated memory and create a RAM (random access memory) map for the address that have usable RAM.

Addresses 0x0000 to 0x00FF are special purpose registers for I/O devices and ports.

RAM could start at 0x0100 but where does it end?

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Write a small program that reads from the address, then writes a value of 0x5AA5 to that address, then reads it again, then writes a value of 0xA55A to the location, and then does a final read.

Your program can just be a linear sequence of instructions.

The addresses to be examined are:

0x0100

0x0170

0x0200

0x0270

0x0300

0x0370

0x0400

0x0470

0x0500

0x0570

0x0600

0x0C00

0x0D00

0x0E00

0x0F00

Write a short report detailing your findings.