Add the following two lines to your in class MIPs assembler file

statusReg: .word 0x00, 0x4a, 0x80, 0x42, 0xBC

.word 0x58, 0xE0, 0x18, 0x8e, 0x92

inputReg: .word 0x00, 0x11, 0x5B, 0x43, 0x47

.word 0x55, 0x43, 0x77, 0x55, 0x5D

These two arrays represent a set of ten IO module status and input data registers. Your assignment is to read each statusReg in order and if the readybit is set (bit 7) then read the corresponding inputReg and output its contents to the console. Since this is modeling a keyboard inputReg the contents are ASCII and need to printed as such.

Do not worry about setting bit 0 of the statusReg. Just assume that this has been done at some earlier time.

You should be able to leverage the returnContentsMD function you created in class.

f5.pdf