Q: Suppose you are writing a Pep/8 simulator in a high-level language. You represent a 16-bit register by a 16-element integer array. Each element of the array represents one of the bits of the register and contains either 1 or 0. Element [0] contains the most significant digit and element [15] contains the least significant digit. Arrays REGA and REGX represent registers A and X.

Write (in Java or C or C++ or pseudocode) a sequence of instructions that will perform a circular right shift on the contents of register A as represented by REGA.
A:

Temp = REGA[15];
for i=15 down to 1 REGA[i] = REGA[i-1];
REGA[0] = CBit;
CBit = Temp;