Exercises
Assume the RIMS environment for all exercises below.

2. Write a C program that treats A1A0, A3A2, and A5A4 as three 2-bit unsigned binary number. The program should output the sum of those three numbers onto B. Use shift on A input to position each bit pattern for generating sum. Therefore example

\[
\text{ASnap} = A; \\
\text{A5A4} = (\text{ASnap} >> 4) \& 0x03; \quad // \text{2 bits are either 0,1,2, or 3} \\
\text{and} \\
\text{Sum} = A5A4 + A3A2 + A1A0;
\]

4. Write C statements that set B to the reverse complement of A, such at B7 = \sim A0, B6 = \sim A1, etc.
Rather than writing 8 assignment statements, instead write a for loop that makes use of the GetBit and SetBit functions.

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