C++ STRINGS: BINARY TO INTEGER LAB

Lab Goal: Create a C++ program that converts a string of binary numbers to a string of ASCII characters

PROGRAM DESCRIPTION

- Your program will ask the user to enter a series of binary numbers that are separated by spaces.
- Notice that the user enters prefix 0's in order to achieve blocks of eight binary numbers.
- The program, based on the input, must convert the binary numbers into their appropriate ASCII character and display the data on the output screen (see Figure 1)

SOFTWARE REQUIREMENTS

- Include your first and last name as a comment on the top of your C++ program.
- Your variable names must be meaningful. Their name must give some indication of their purpose.
- You must create a method named binToInt. This method will be responsible for converting the user's binary numbers into its equivalent decimal value.
    - The binToInt parameter must be an integer value. For example, if the binary number is 01000011, then 1000011 is sent to binToInt as a parameter (notice that prefix zeroes are dropped in the parameter).
    - The binToInt function must return an integer value. This returned value is the decimal equivalent of the binary parameter. For example, if the parameter is 1000011, the return value should be 67 (note that 67 is the ASCII value for the character 'C').

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Enter a series of binary numbers: 01000011 01101001 01110100 01110010
01110101 01110011 00100000 01000011 01101111 01101100 01101100
01100101 01100111 01100101


Output: Citrus College
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Figure 1