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Solutions must be shared with @Alialhousseini9

Template A:

The following hexadecimal numbers represent binary numbers encoded in two's complement on 8 bits. Report these numbers in increasing order of value. (It is not necessary to write the corresponding decimal value). Finally, provide their sum in hexadecimal.

7F 80 32 B2 A2 01 FF

What is CU ? what is composed by? Select two and describe them.

In a Python function, what is the difference between arguments and return values? How many arguments can a function invocation have? And how many values can a function return?

Template B:

The following binary numbers are 8-bit two's complement numbers. Report them in decreasing order of value:

10110111 11111010 10010100 00110111

Finally, sum them and check overflow

What is memory? Describe two of its features.

Consider Lists and Sets:
list the differences between these two data structures
highlight their advantages and disadvantages
provide an example of data for which representation is more appropriate using
a list and data for which representation is more appropriate using a set.

<u>Template C:</u>

Convert the following octal numbers to sign and magnitude binary
representation, and then subtract the first number from the second
number:

Octal: +42 -11 +33

Describe the functionality of RAM, its characteristics, and the main
differences compared to a solid-state hard drive (SSD).

Explain the difference between local and global variables. Give an example for
each one