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Palomar College Computer Science & Information Technology CSCI 112 Programming Fundamentals I Chapter 6 – HW 8

Trace the execution of the following fragment.
 Draw a representation of memory to visualize what the values in memory are including pointer variables and where they point to.

Hobbine - 45t_ Secure_ns # Indude Cstidio>

int m= 104

154

1nt n= 54

1nt *mp

int *mp

*mp = *mp t np

*np = *mp - *np

*np = *mp - *np

*np = *mp - *np

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2. Write the main, function call, and function sumNavg that has three type double input parameters (n1, n2, n3) and two output parameters (n4, n5). The function computes the sum and the average of its three input arguments and relays its results through two output parameters. In essence, input parameters are pass by value (no pointer), and output parameters are pass by reference (pointers).

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3. Write the main, function call, function that computes the average of three input number parameters (n1, n2, n3) and has one output parameter sum. Sum calculates the sum of the three numbers. The name of the function is calcSum.

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4. Write a main, function call, and function called getInput. Create a function that passes two output parameters n1, n2. The getInput function calls scanf to ask the user for input. If both values are greater than 0 the function returns a 1, otherwise 0. Remember, scanf is different syntax when they are output or pass by reference parameters. (hint: no & in front of the variable, as it is already an address)

define _CRT_ SECURE_NO_ WARNINGS Unclude C 8+dio.47 int M1 ~0, n2 =0, sades = 8; sutes = get Input (An1, ez); point (1/2 , sats / int get Enget (int *M, int *n2) pit-if (Alace Order 3 ums) scarf (1.d 1.d , n), n? H (*1100 & @ *1200) nden (#2);