Assignment Chapter 9 st Groblem o Set at 2 han to 19 and 19 an Thes. 5 Consider the following program in C

syntax:

syntax:

void swap (int a, int b) b = temp: amore settemand pel harral a formation of a color with main () it is a marker westernous or to the wind brief int palue = 2 liet[5] = 51,335,7,93;

suop (value, list (0));

suop (list [0] list (1]);

Livop (dist value, list (value)); For each of the following porameter passing methods what are all of the values of the variables yabre and list after each of three ralls its surp? ip, F, Z, 1 , F & of Ellish of the said and the contract of the

(a) tassed by value water - passing method, where values of ortual porameteris are copied to formal parameters of function. These two parameters ( octus) and ferrand) have different locations. Therefore, if any changes are made to formal fortameters in most ting tan oreflected in orthogonal fortameters.

No after the execution of the sub-fortameters will remain some.

Values of the parameters will remain some. (b) Passed by parameter reference

This a parameter - passing method, where formal

and actual parameters share some location and any change is made in formal parameter, the same will be veryleited in textual parameter.

1) Before execution of (subpriogram)

your = 2 Sit 3:55 7.93 2) After implementing first swap junction value z.t. 1 list [5] 2, 3, 5, 3, 9]

3) After implementing second supportion

prolue = 1 list [5] = \$3, 2, 5, 7, 93 value = 2 , list [5] = 63, 1, 5, 7, 93

ets the junction executes, pass by votice

gresult copies the violet of actual parameters

in to formal parameters. So, changes

made in journal parameters are reflected to

ortuol farameters.

17. Before execution of Sub-program

value = 2

value = 2 27 After implementing fiorst surp juntion volue = 1 list 5) 2 5 2, 3, 5, 7, 97 3) After implementing, second swop function value > 1, list[5] = 5, 3, 62, 5, 7, 93 47 After implementing sufficiend swofp. Junition.

rolue = 2 List (5) = 5 3 - 13 5 , 7, 43 They 7 Consider the following syntox in program roid June ( int fixet; int second) first += first;

second += second; wid main ()

[ int list [3] z & 13 3 y ;

fun ( list [0] , list [1));

