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Group N

Lab 502 / Lecture 004

Questions:

I had no questions.

Acknowledgement:

I was the only one who contributed to my code.

//Main Pseudocode:

Data:

Given Data: m number of times to print the important message.

Unknown Data: the date that the user wants to convert.

Plan:

Call the functions DateConversion and ImportantMessage

DateConversion();

ImportantMessage();

//Definition of function DateConversion

Function Name: DateConversion

Input:

m,d,y: the month day and year given by the user

Output:

n.a. (With a side effect of displaying the formatted date)

Data

N.A.

Plan

//subproblem1 get user input for date

scanf("%d/%d/%d", &m, &d, &y);

//subproblem2 print the formatted date

printf("Your date in the new format is: %d%02d%02d \n", y,m,d);

//Definition of function ImportantMessage

Function Name: ImportantMessage

Input:

m: the number of times to print the important message

Output:

n.a. (With a side effect of displaying important message m times)

Data

N.A.

Plan

//subproblem1 get user input for m

scanf("%d", &m);

0. If m > 1 then

//subproblem2.1 print the message twice

printf("The important message needs to be repeated %d times\n" , m-1);

//subproblem2.2 print the message m-2 times

ImportantMessage(m - 2);

0. If m == 1 then

//subproblem3.1 print the message once

printf("The important message needs to be repeated %d times\n" , m-1);

0. If m < 1 then

//subproblem4.1 return

return;