LAB NR. 7
C PROGRAMMING

November 22, 2023

Problem 1:

Using the example from last lab, split the program into 3 files, main.c, tradestocks.c, and tradestocks.h, which would represent a typical main program, some functional code in a separate file, and an include file, respectively. Create a makefile.

Problem 2:

Declare an array representing the average daily temperarure in July as $JulTemp$. Fill it with random values between 18 and 28 DEG Celsius for each day. Calculate for the whole month the mean, the median value and the standard deviation. Print your results.

Problem 3:

Now will start with the pointers. Just some simple warm up. Assume that integer variables $value1$ and $value2$ have been declared. The $value1$ variable has been initialized to 50.

a. Declare the variable $intPtr$ to be a pointer to an object of type `int`.
b. Assign the address of variable $value1$ to pointer variable $intPtr$.
c. Print the value of the object pointed to by $intPtr$;
d. Assign the value of the object pointed to by $intPtr$ to variable $value2$.
e. Print the value of $value2$.
f. Print the address of $value1$.
g. Print the address stored in $intPtrint$. Is the value printed the same as $value1$'s address?