

## ASSIGNMENT 6

Write a program called **YourName-Assignment6** (replace **YourName** with your actual name, no spaces) that contains the following exact functions (with exact names, exact parameters, exact name of the parameters, exact types of parameters, exact return values, and exact functionality):

Name	Parameters	Returned Value	Description/Functionality
FUNCTION1	reference integral number $N$	none	Asks the user to enter a integral number, reads/inputs a integral number from the console/user into the reference parameter $N$
FUNCTION2	integral number $N$	none	Prints/outputs the integral number $N$ (received as a parameter) to the console; e.g. if $N$ is 10.5, prints 10.5).
FUNCTION3	integral number $M$	Integral number $N$	Let the user enter a correct/valid number between 1 and a number $M$ (given as a parameter). The function should inform the user that they need to enter an integral number $N$ between 1 and $M$ (output the value of $M$ instead of the letter $M$ ), read a value for $N$ from the user, validates it (check that it is between 1 and $M$ ), and, if the number is valid returns it to the calling function, otherwise (if the number is not valid) repeats the output of the message and the input of the number $N$ until the number is correct (between 1 and $M$ ) and then returns the valid number.
FUNCTION4	integral number $M$ and integral number $N$	none	Prints/outputs all the integral numbers between the numbers $M$ and $N$ given as parameters
FUNCTION5	none	none	Prints/outputs all the even integral numbers between 20 and 100
FUNCTION6	none	none	Calls FUNCTION1 to enter a number $N1$ , calls FUNCTION2 to print the number $N1$ , calls FUNCTION3 with parameter $N1$ to enter a number $N2$ , calls FUNCTION4 with parameters $N1$ and $N2$ , and calls FUNCTION5.
main	none	int	Calls function FUNCTION6

You should write the **program** in Visual Studio 2019 using only concepts learned in class.

Create a Microsoft Word document called **YourName-Assignment6-Screenshots.docx** (replace **YourName** with your name, no spaces) that contains **screenshots** of your *entire C++ code* (take multiple screenshots if the code is larger than one screen), and the *entire console output* (take multiple screenshots if the output is larger than one window).

SUBMIT your **YourName-Assignment6.cpp** Visual Studio **C++ source code** and **YourName-Assignment6-Screenshots.docx** **screenshots document** files under **Assignment6** on eCampus. Do not archive the files or submit other file formats.