

Mid Term Assignment

CSE-0302 Summer 2021

kh Md Shahnayas

Department of Computer Science and Engineering

State University of Bangladesh (SUB)

Dhaka, Bangladesh

email address: shahnayas01@gmail.com

Abstract— ASSIGNMENT-1: Question: A C source program with single and multiple line comments is given. As the first step toward compilation, you need to remove the comments and white space (extra spaces, tabs and newline characters). Develop a program that takes as input file the given source program and produces a filtered file as stated above. The program must also display both the files.

Screenshot of Code For Assignment1:(Screenshots are added serially)

ASSIGNMENT-2: Question: Suppose, we have a C source program scanned and filtered as it was done in Session 1. We now take that modified file as input, and separate the lexemes first. We further recognize and mark the lexemes as different types of tokens like keywords, identifiers, operators, separators, parenthesis, numbers, etc.

Screenshot of Code For Assignment1:(Screenshots are added serially)

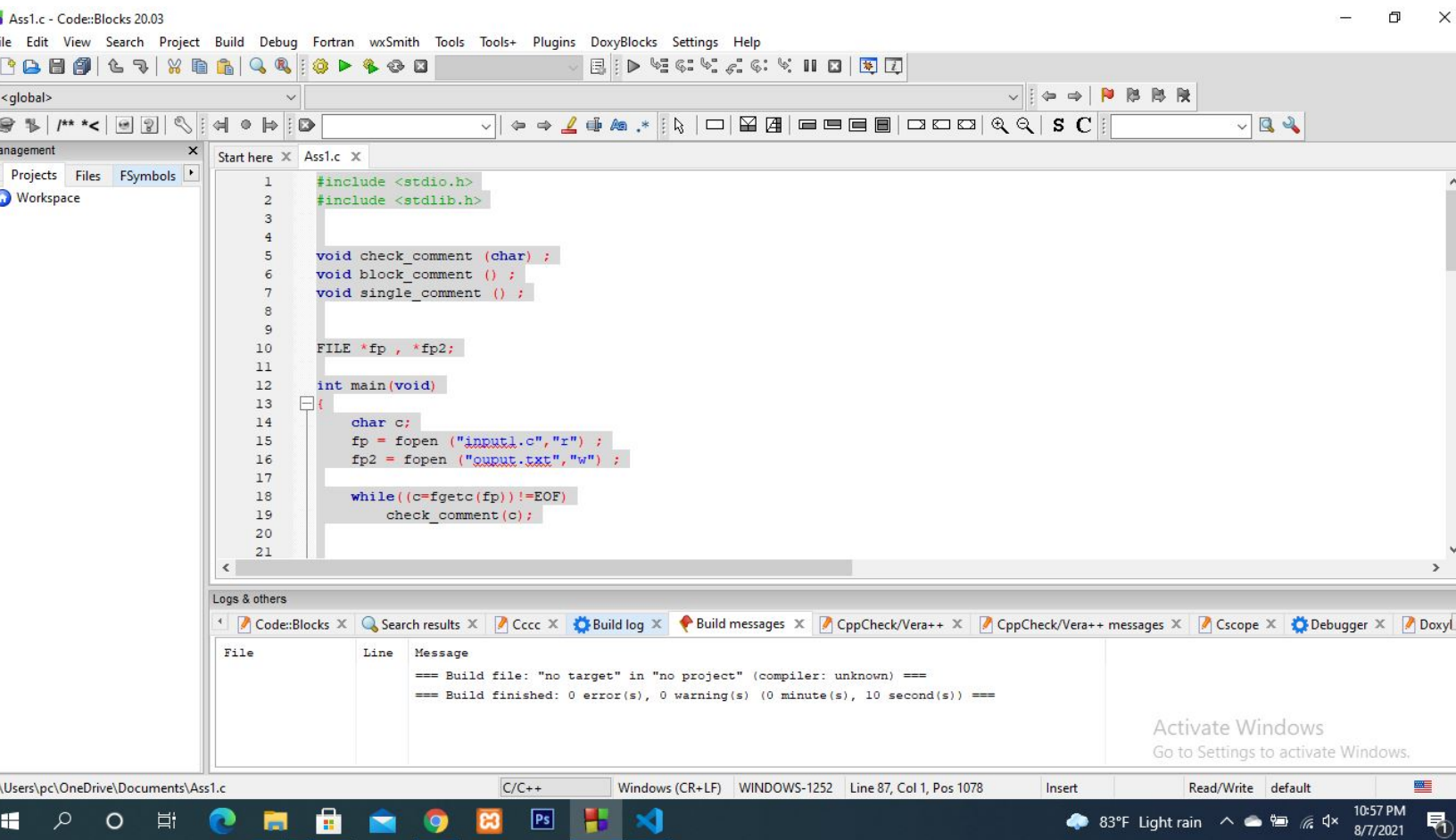


Fig. 1.

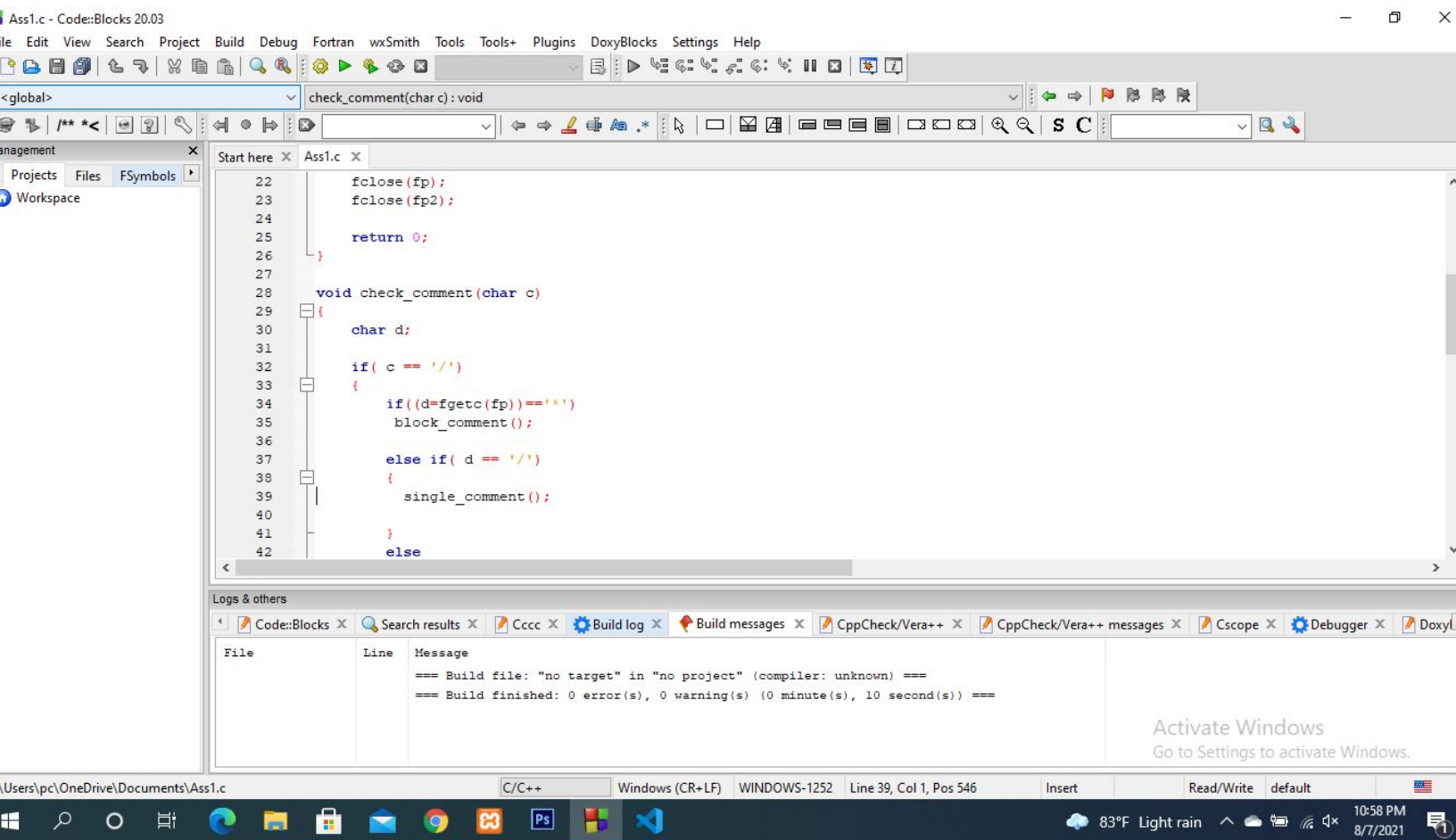


Fig. 2.

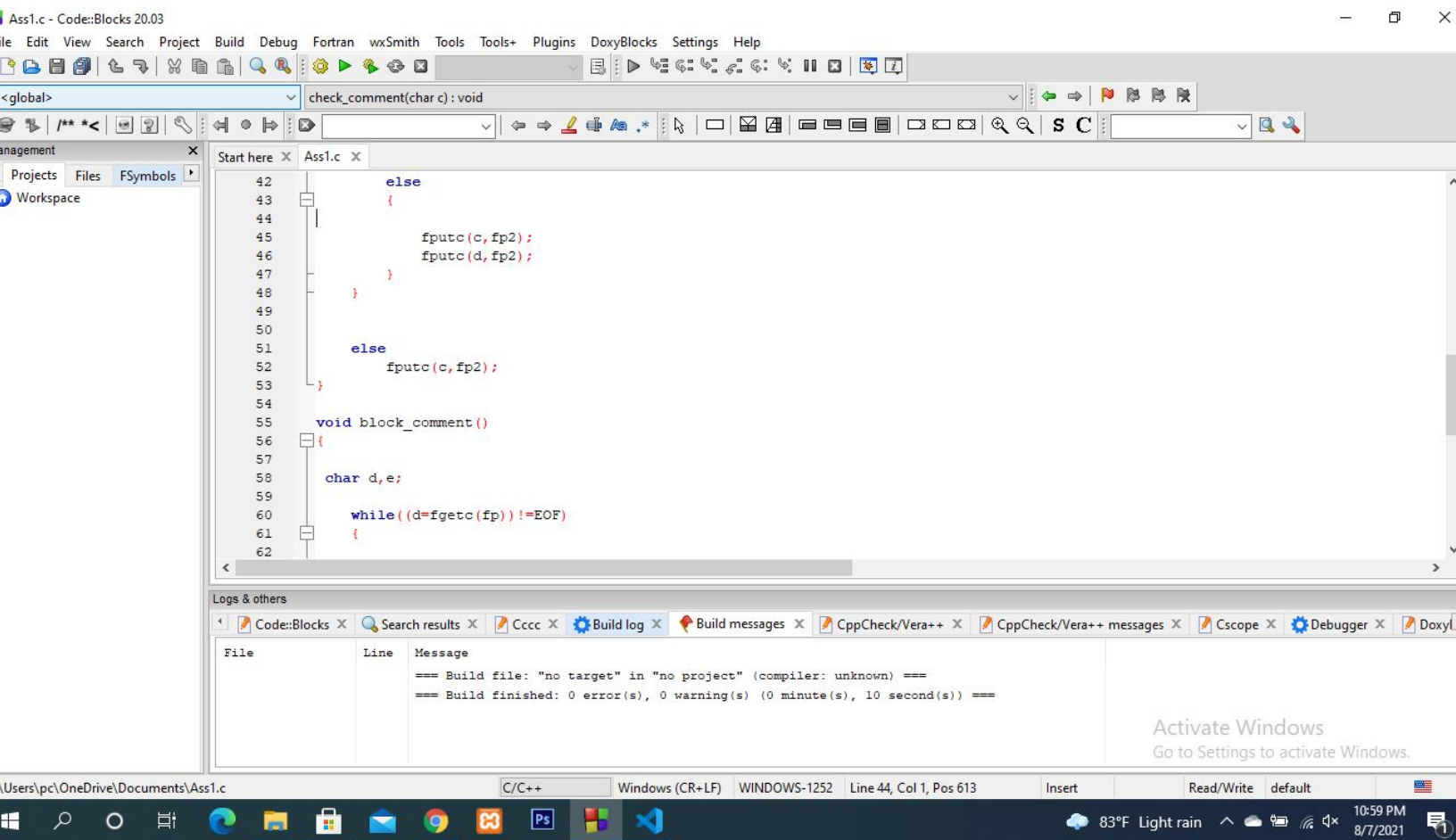


Fig. 3.

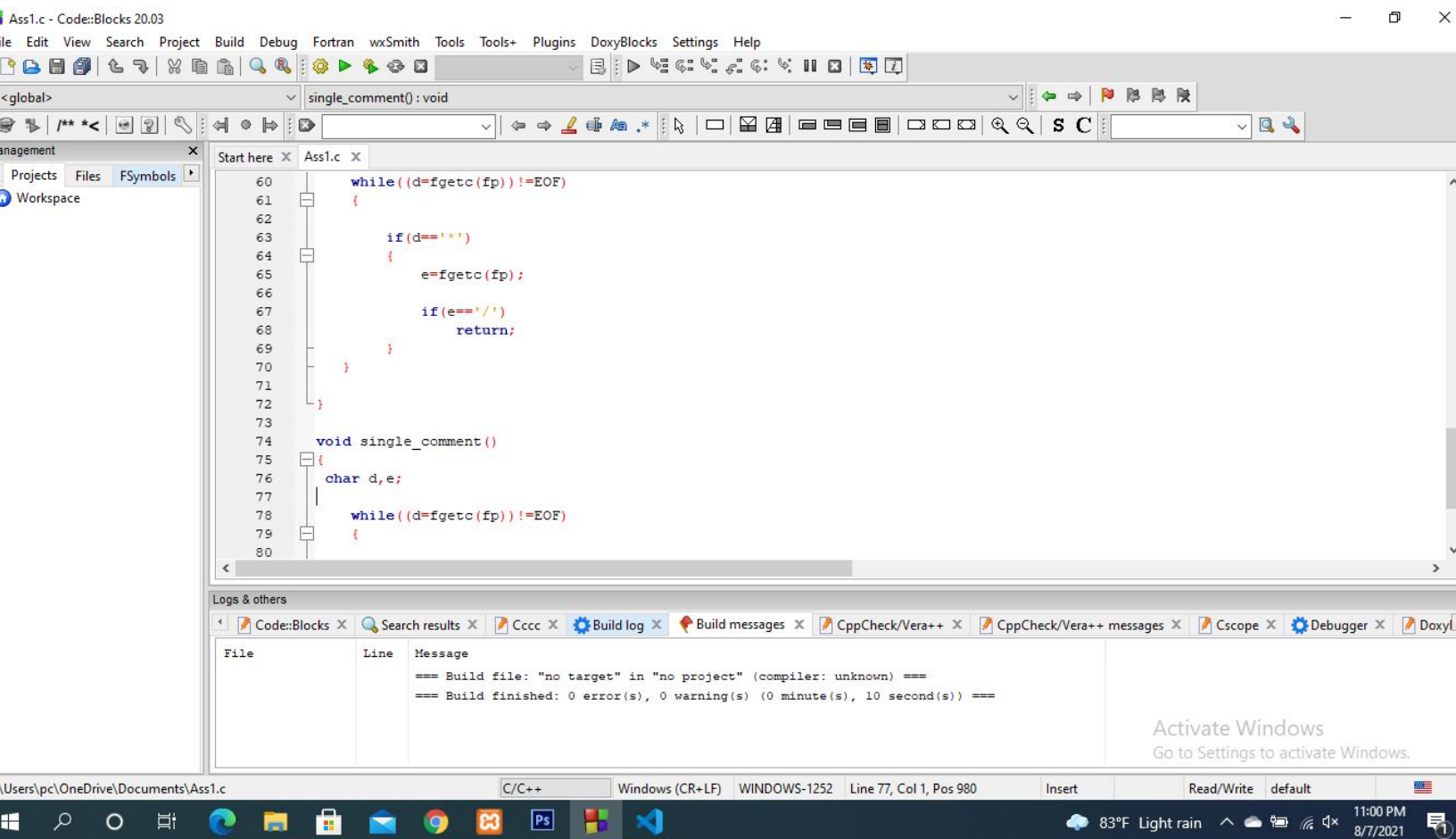


Fig. 4.

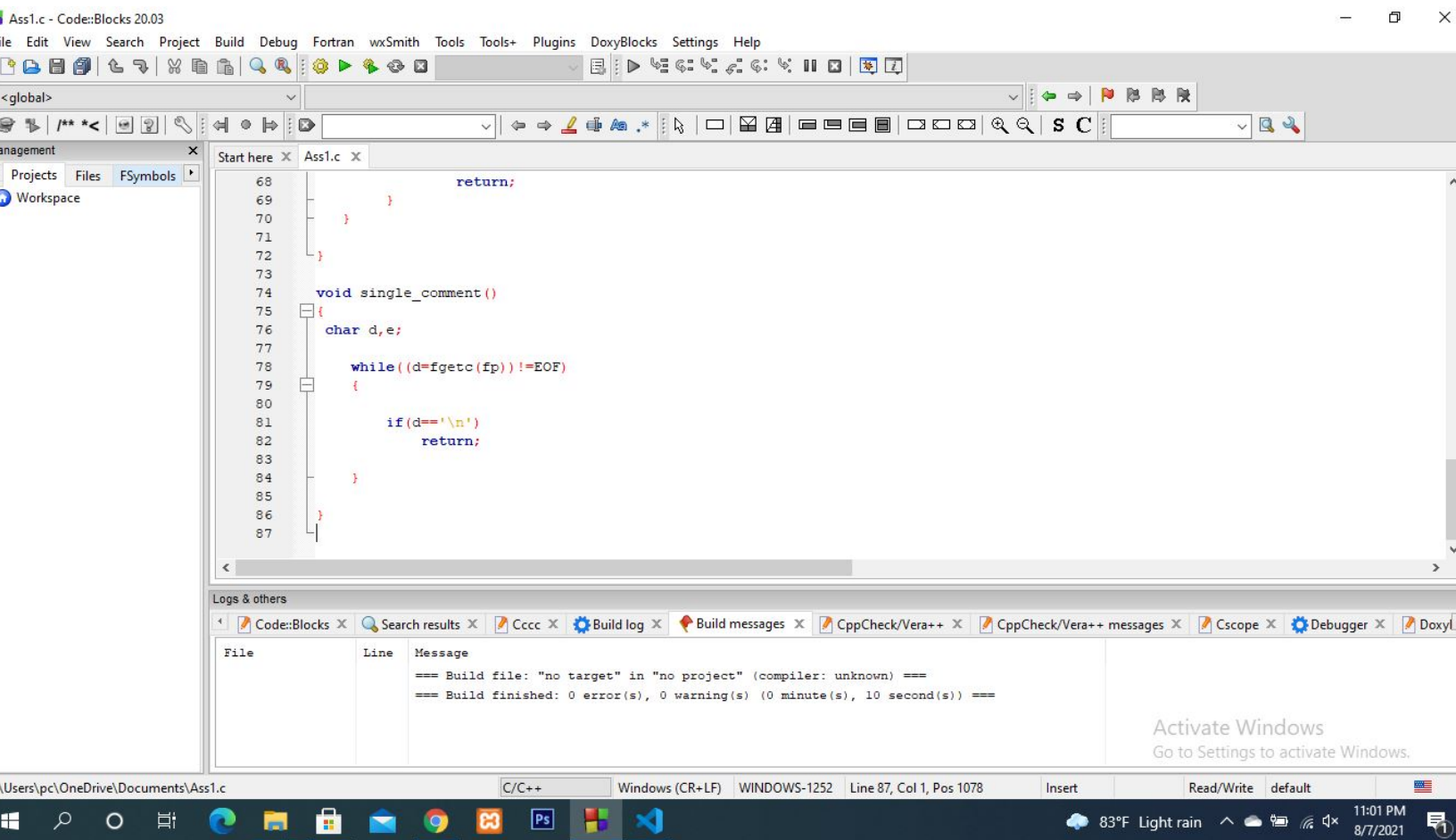


Fig. 5.

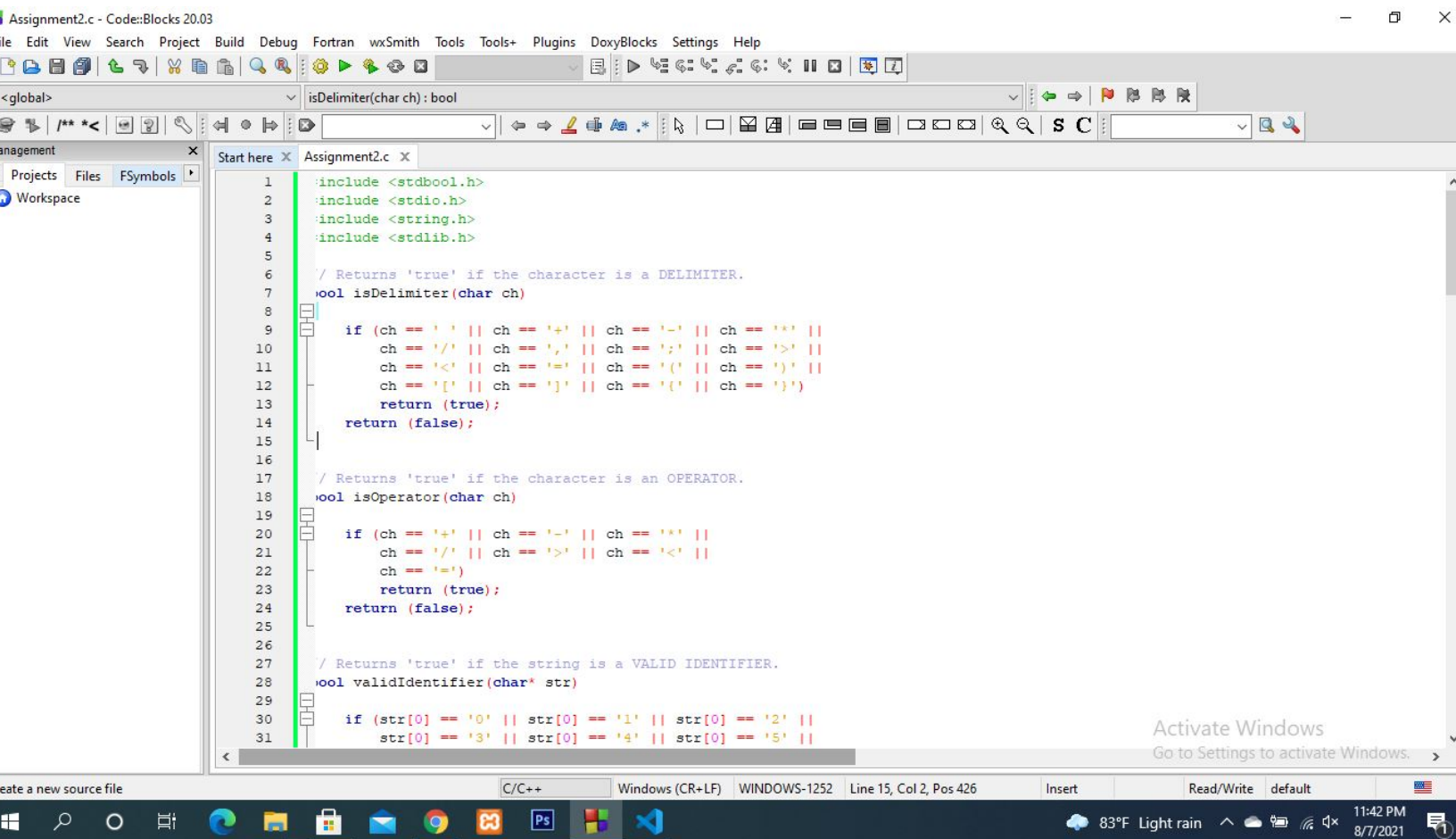


Fig. 6.

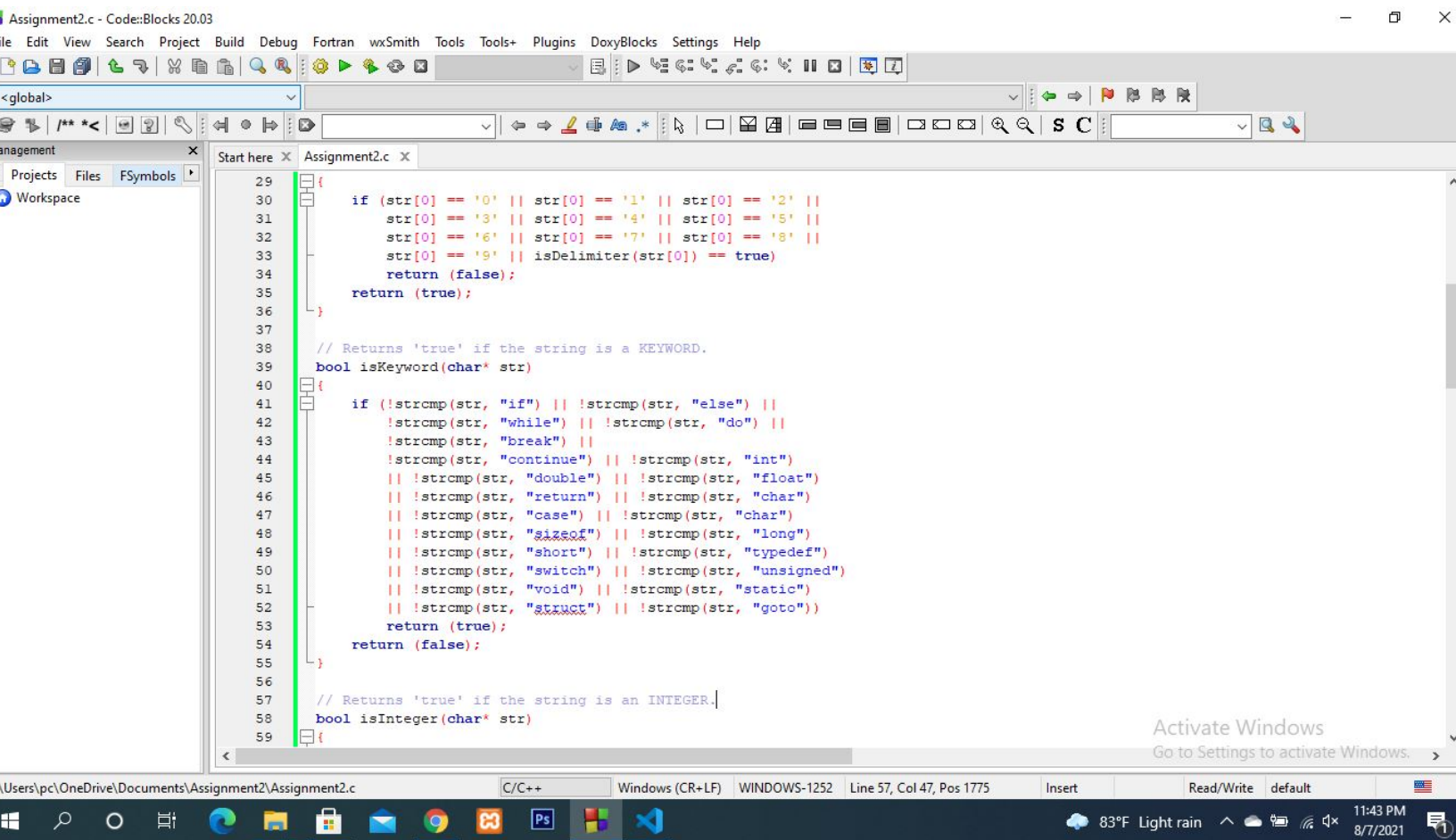


Fig. 7.

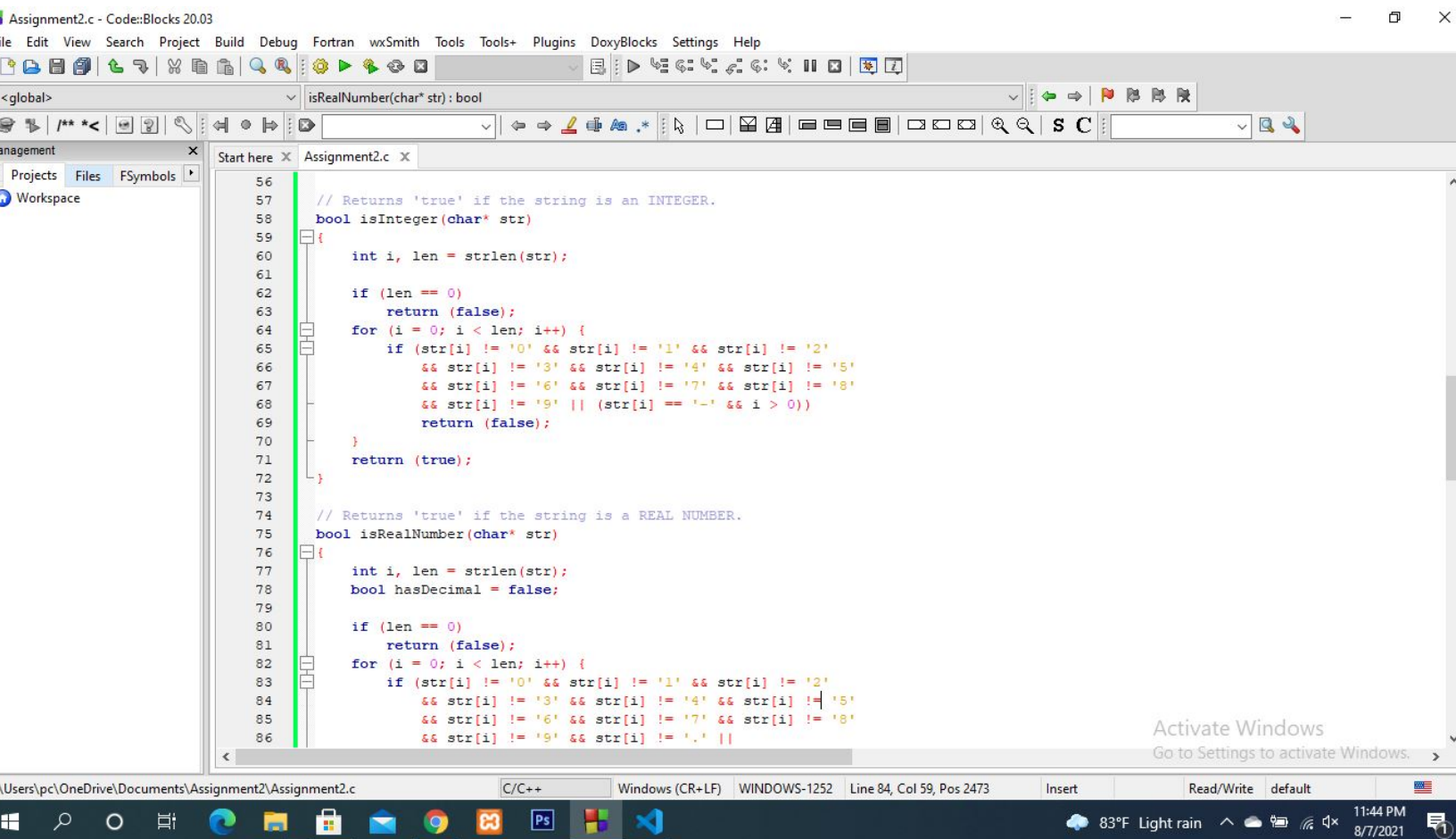


Fig. 8.

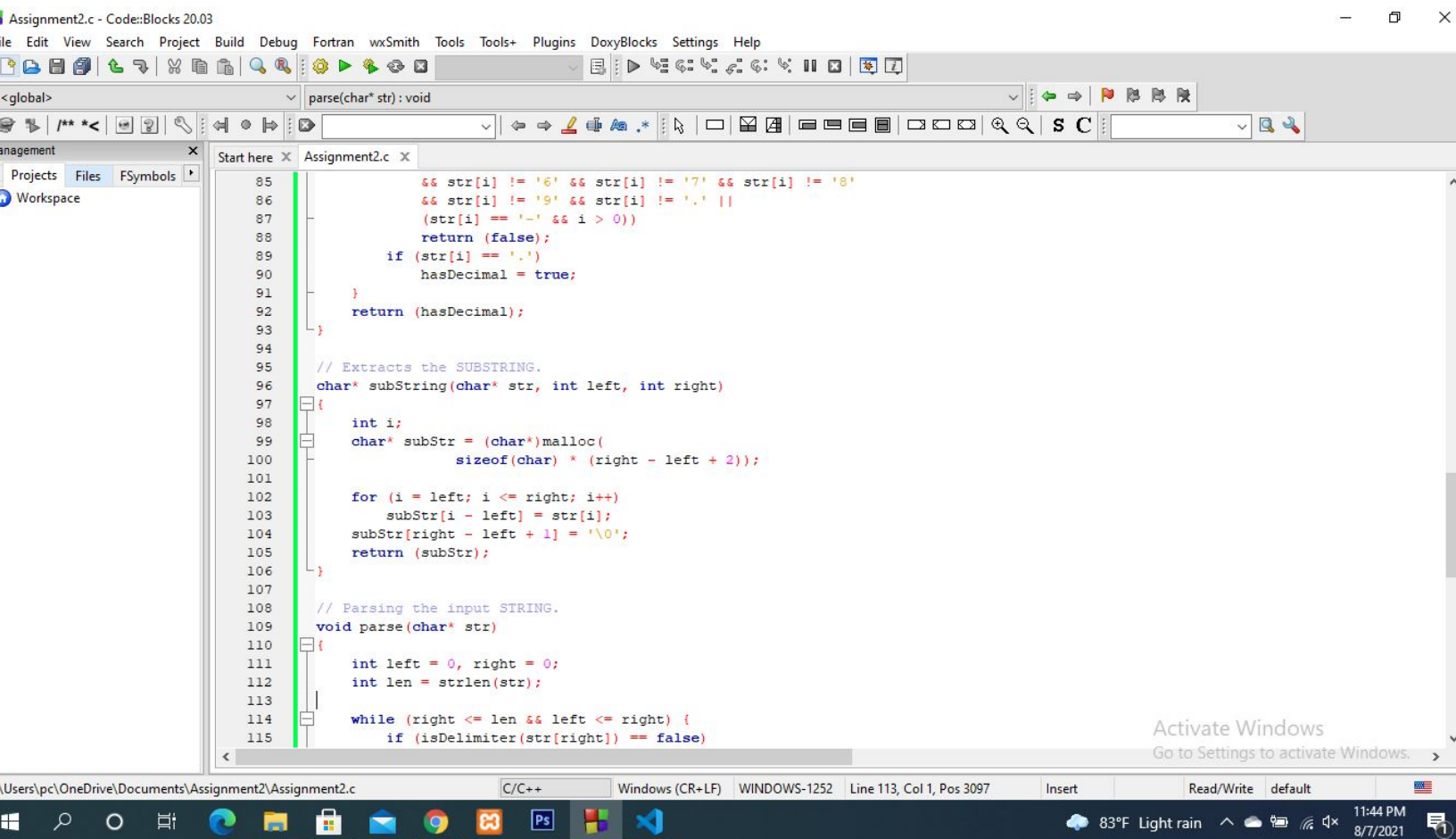


Fig. 9.

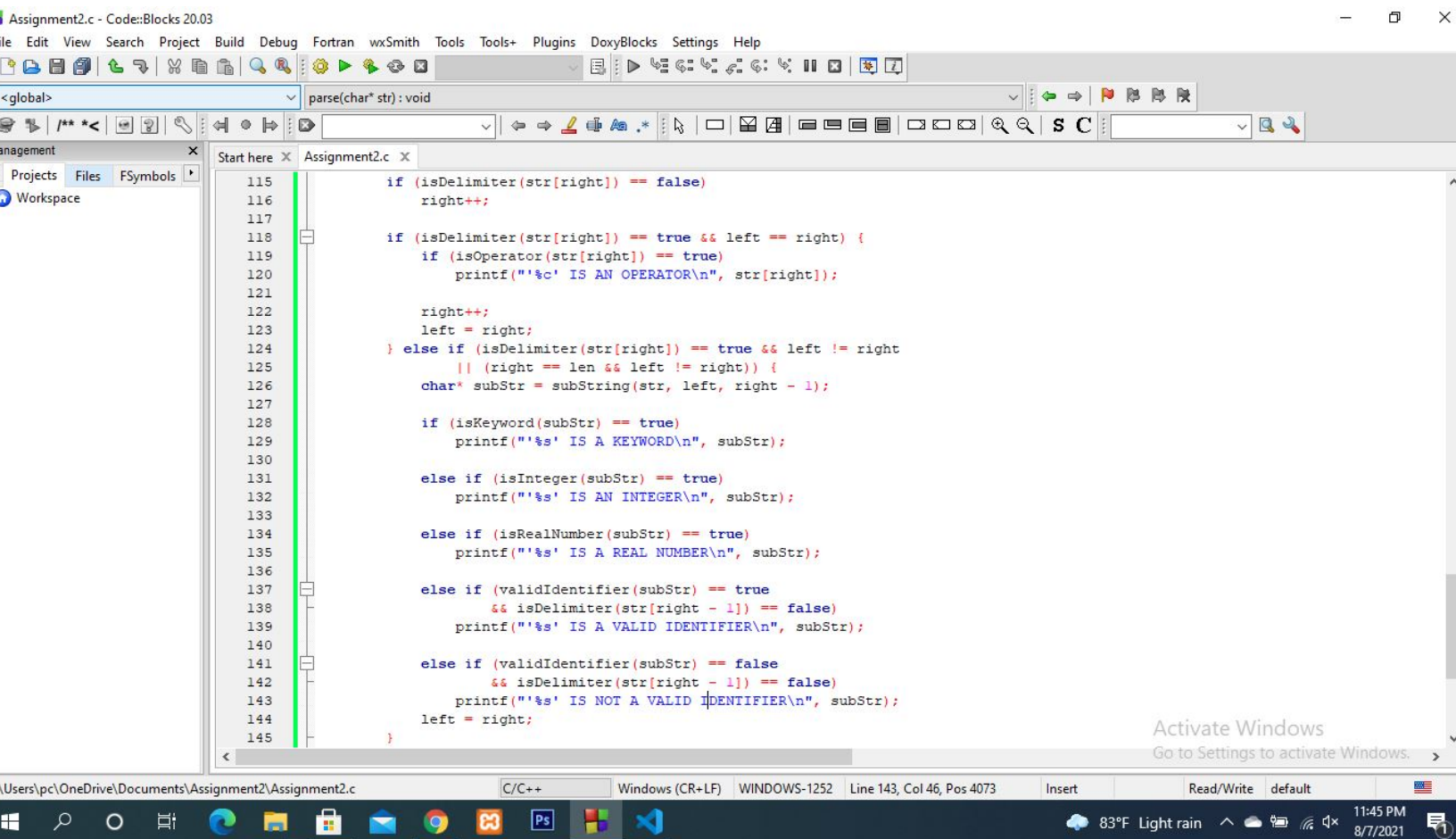


Fig. 10.

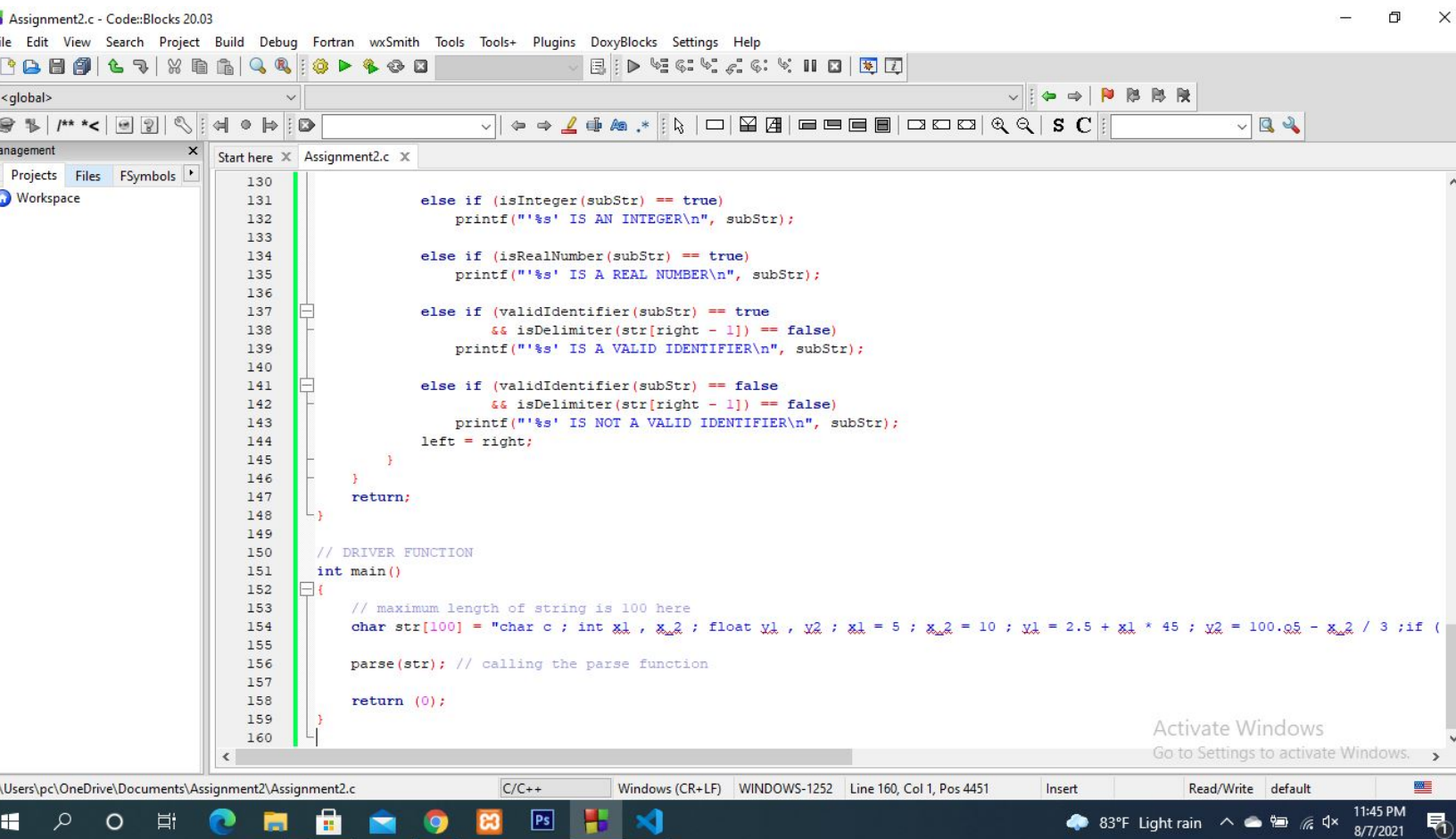


Fig. 11.