Documentation of Chapter 1

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BDCOM0019

Exercise 1-1:

Let's, run the "Hello, world!" program on my system. And now experiment with leaving out parts of the program, to see the error messages and write down below.

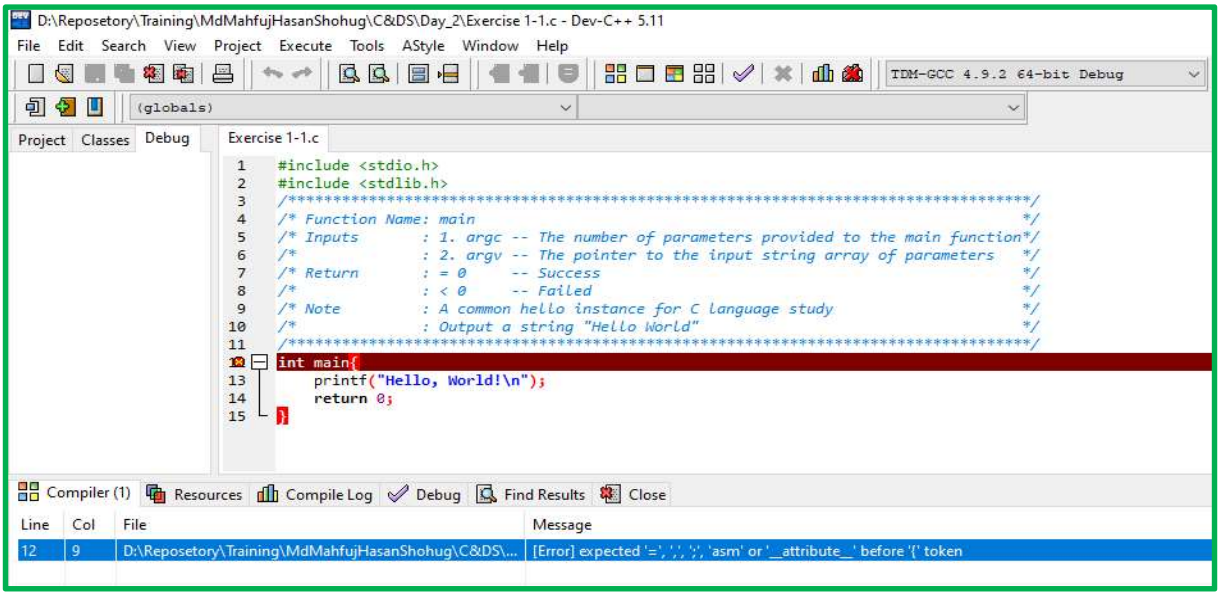


Fig-1: A function must need **parenthesis,** here I got syntax errors for not typing the parenthesis and the program not executed.

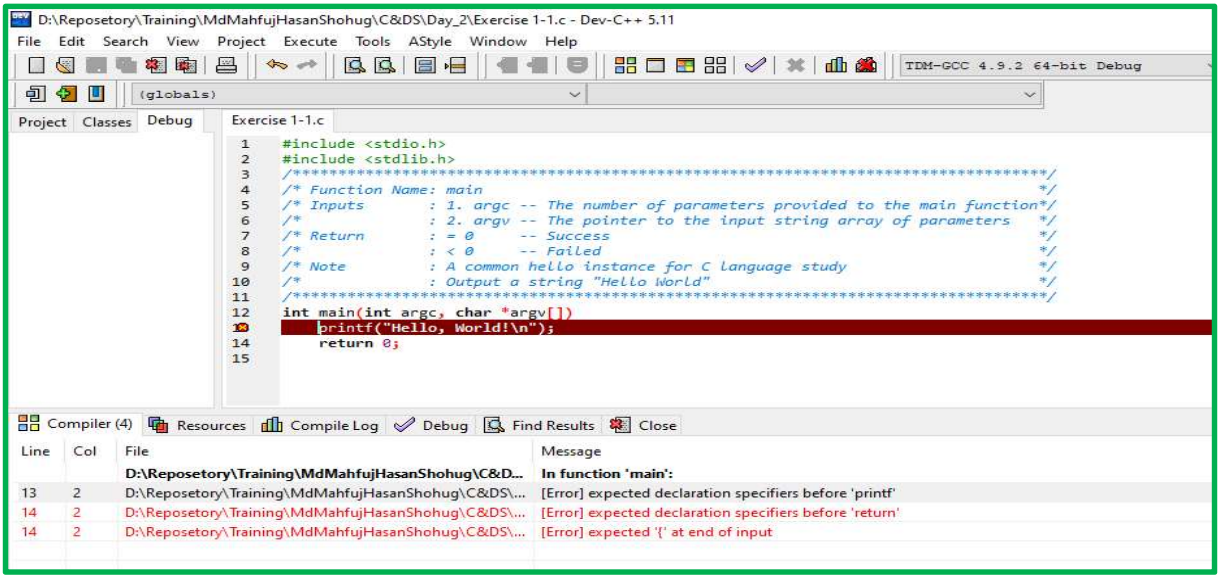


Fig-2: The bodies of all function must need to use **Braces,** this is also a syntax error therefor program not executed.

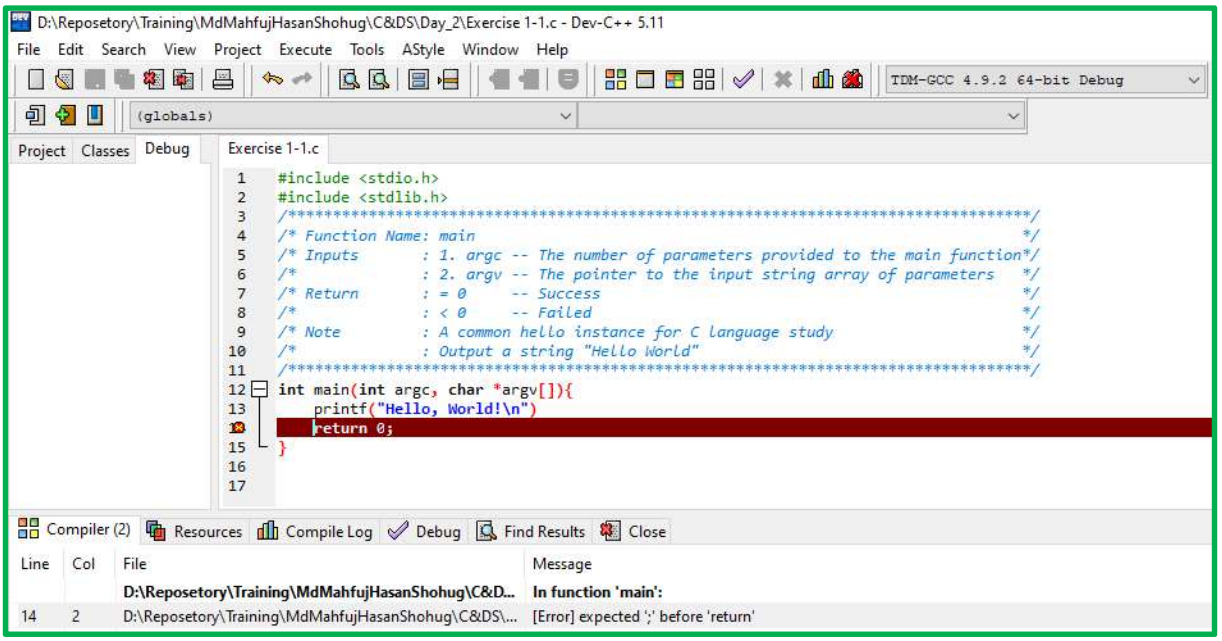


Fig-3: Must need to use semicolon for execute the program. This is also a syntax error all statements must end with a semicolon.

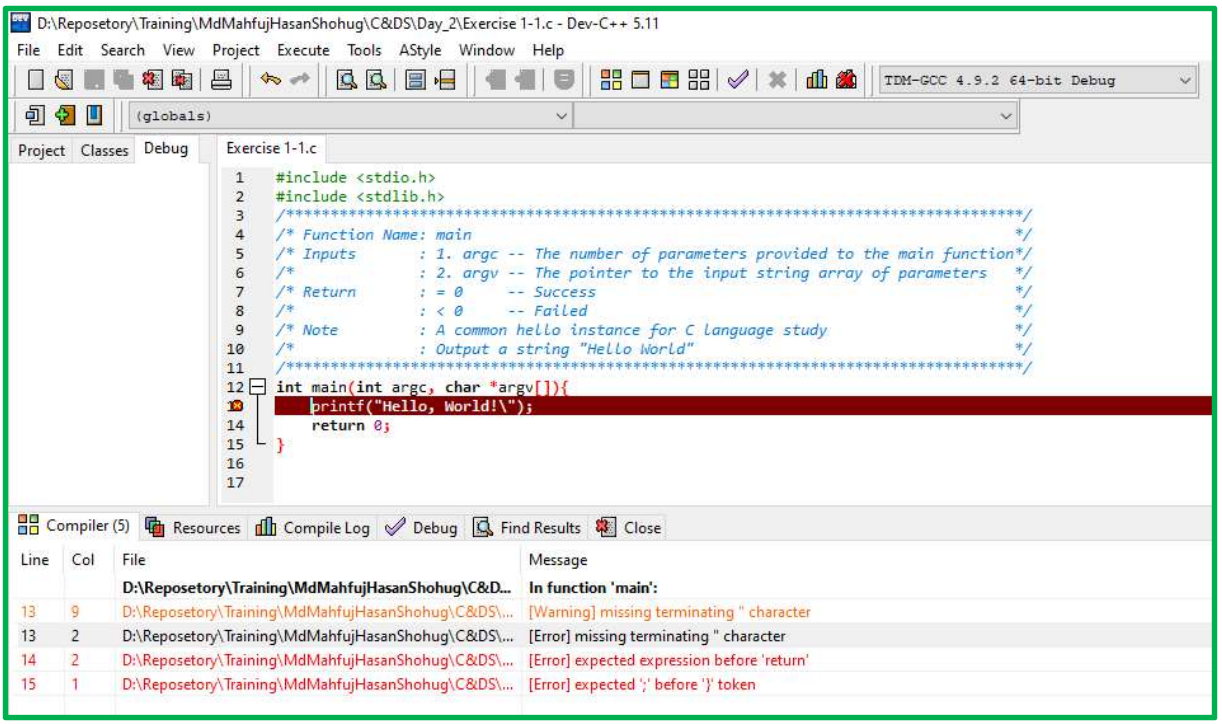


Fig-4: Notice that \n represents only a single character here I am using only "/" that is not extensible mechanism for representing hard-to-type or invisible characters.

Debug: Here I am debugging the two times to show the debug massage on there. First I am write the code without any kind of return value here is my debugging step which one I done:

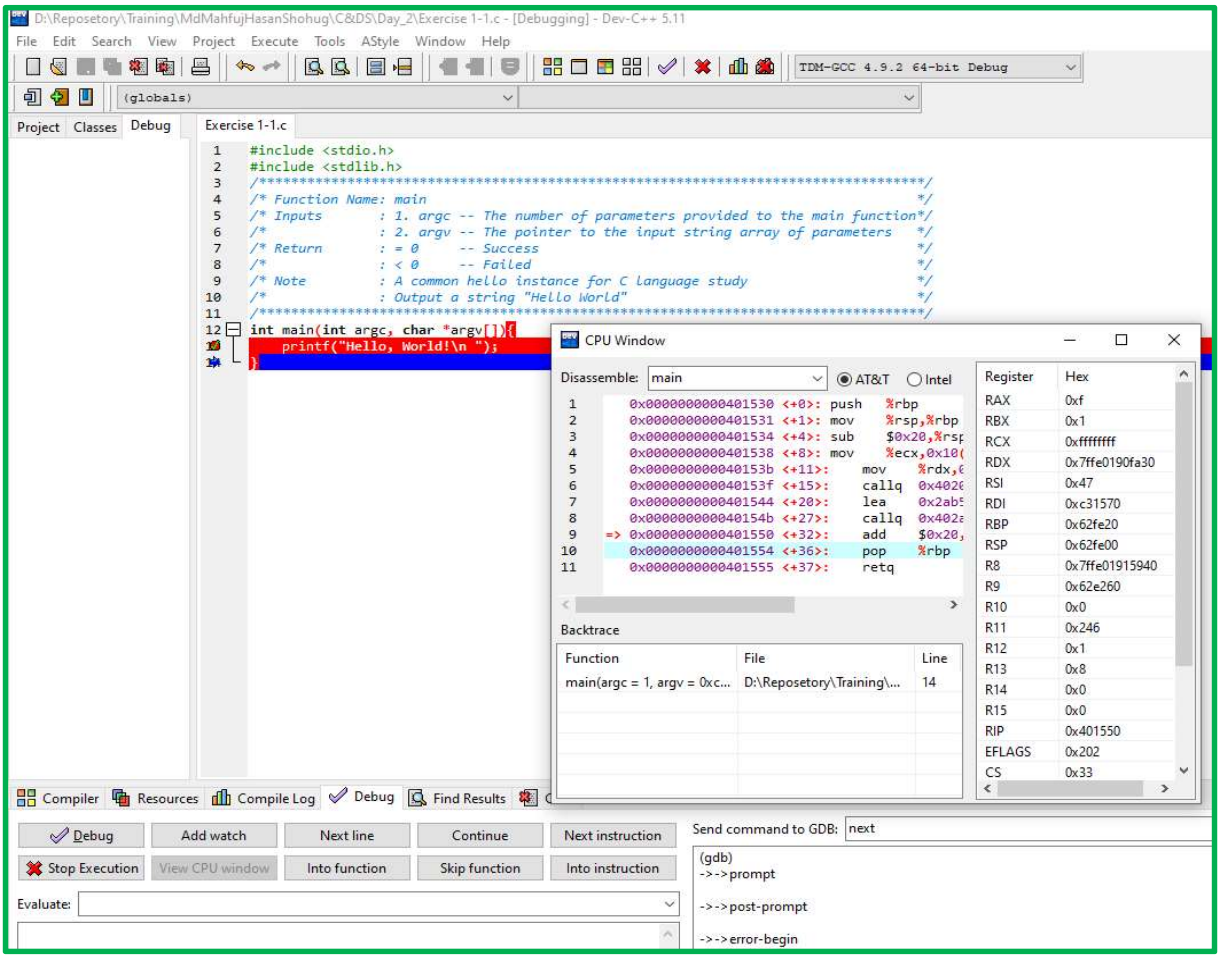


Fig-5: Debug without return.

Debug with return value 0.

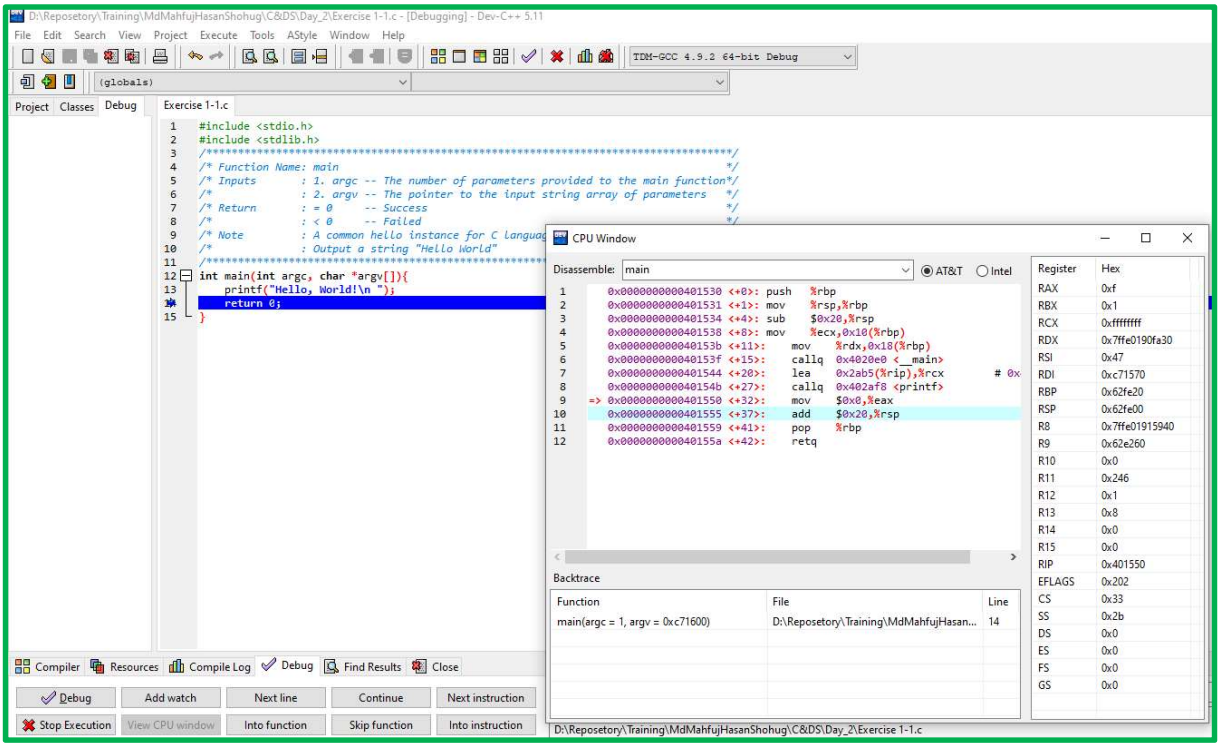
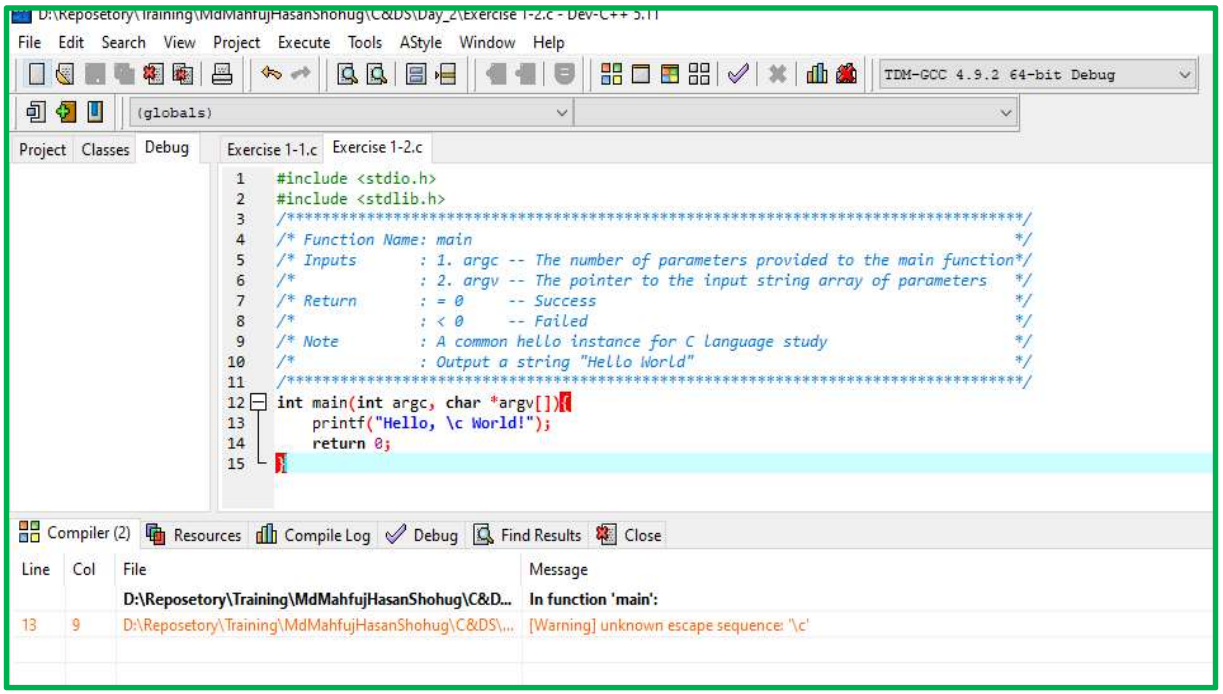


Fig-6: Debug the code and execute the whole program.

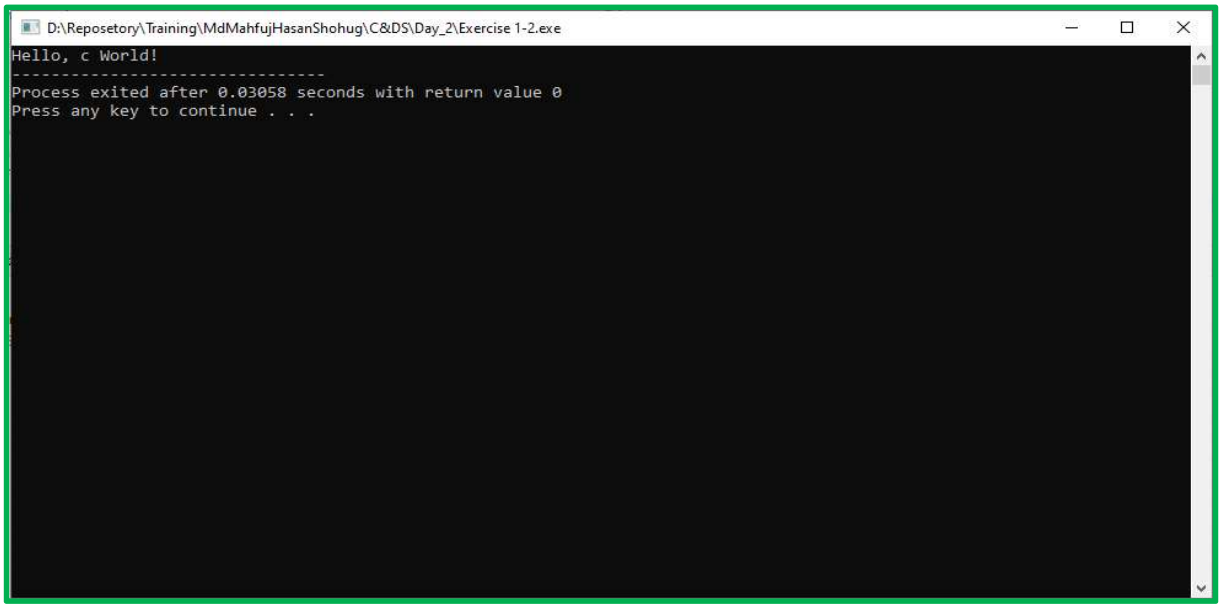
Exercise 1-2:

Experiment to find out what happens when prints argument string contains \c and also using some special character. Those are the "escape sequence" here I want to showing the other escape sequence those are also usable.

- \C Output: Program execute only C with the warning massage that is unknown escape sequence, the "\" will not be print.
  Coding part:

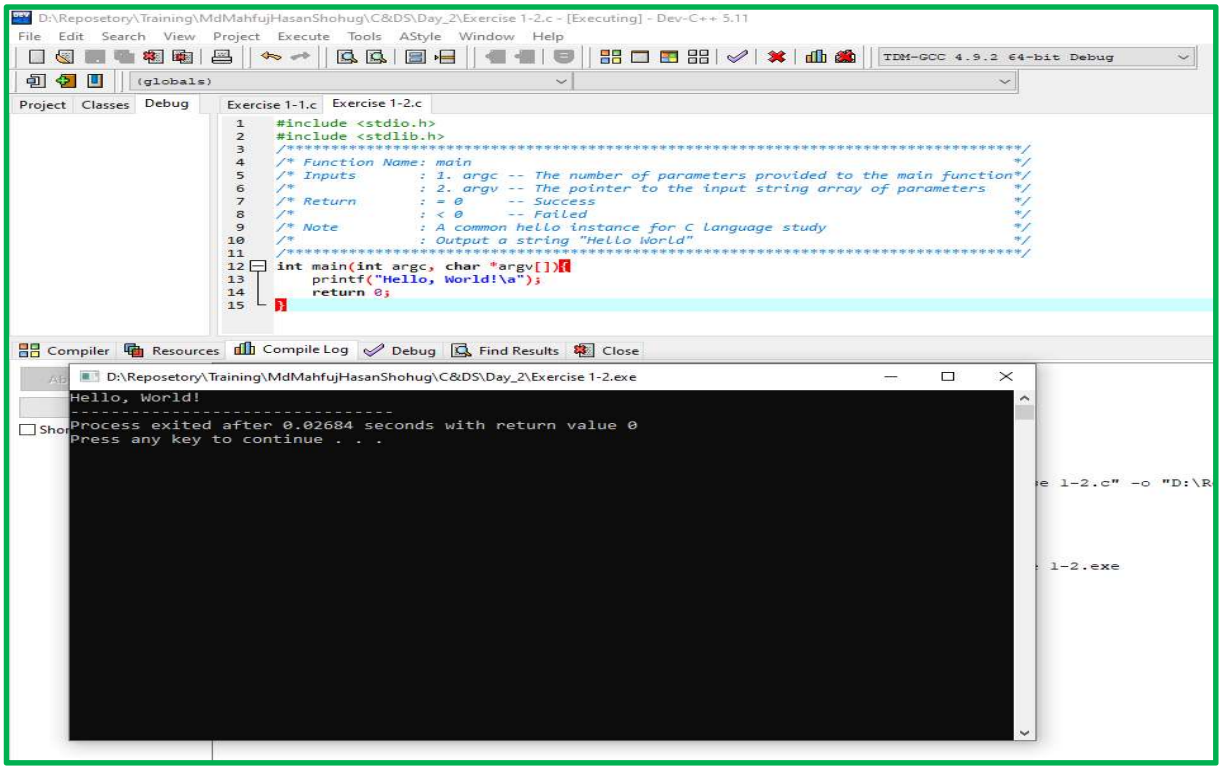


Output:

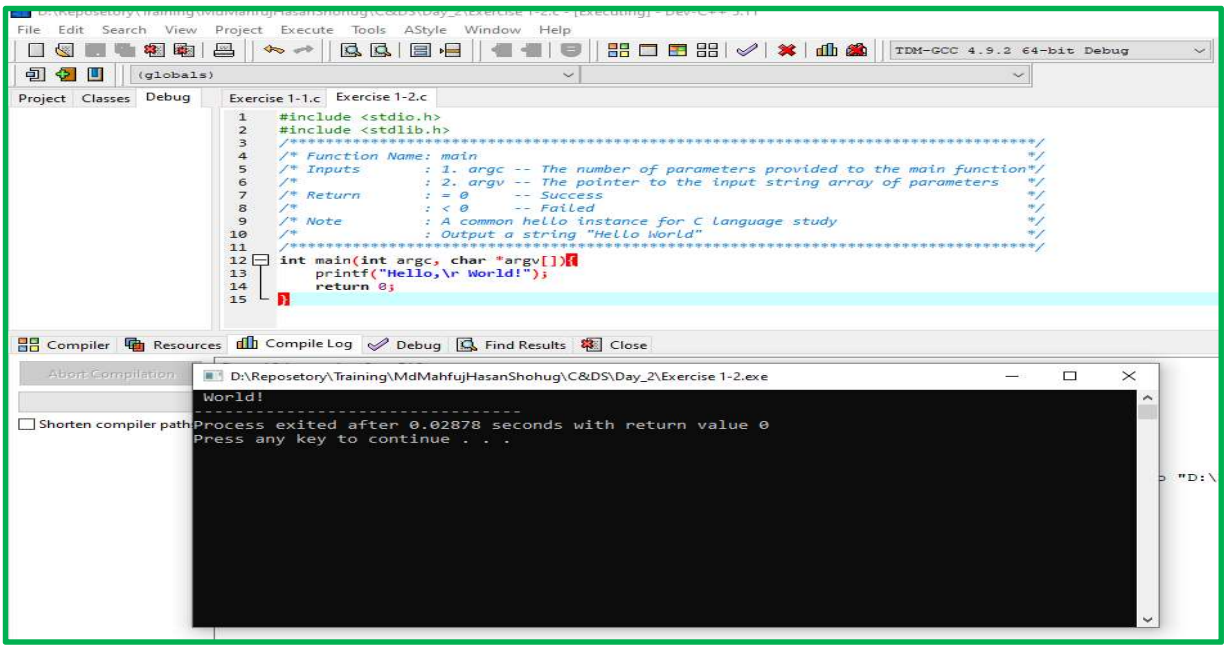


There are many escape sequence have on the C language. Here I am referring some of escape sequence as an example:

- \a: It's for the audible bell. When program will be run the one audible sound will be listen.
  Coding part and Output: Show output with a notification sound.

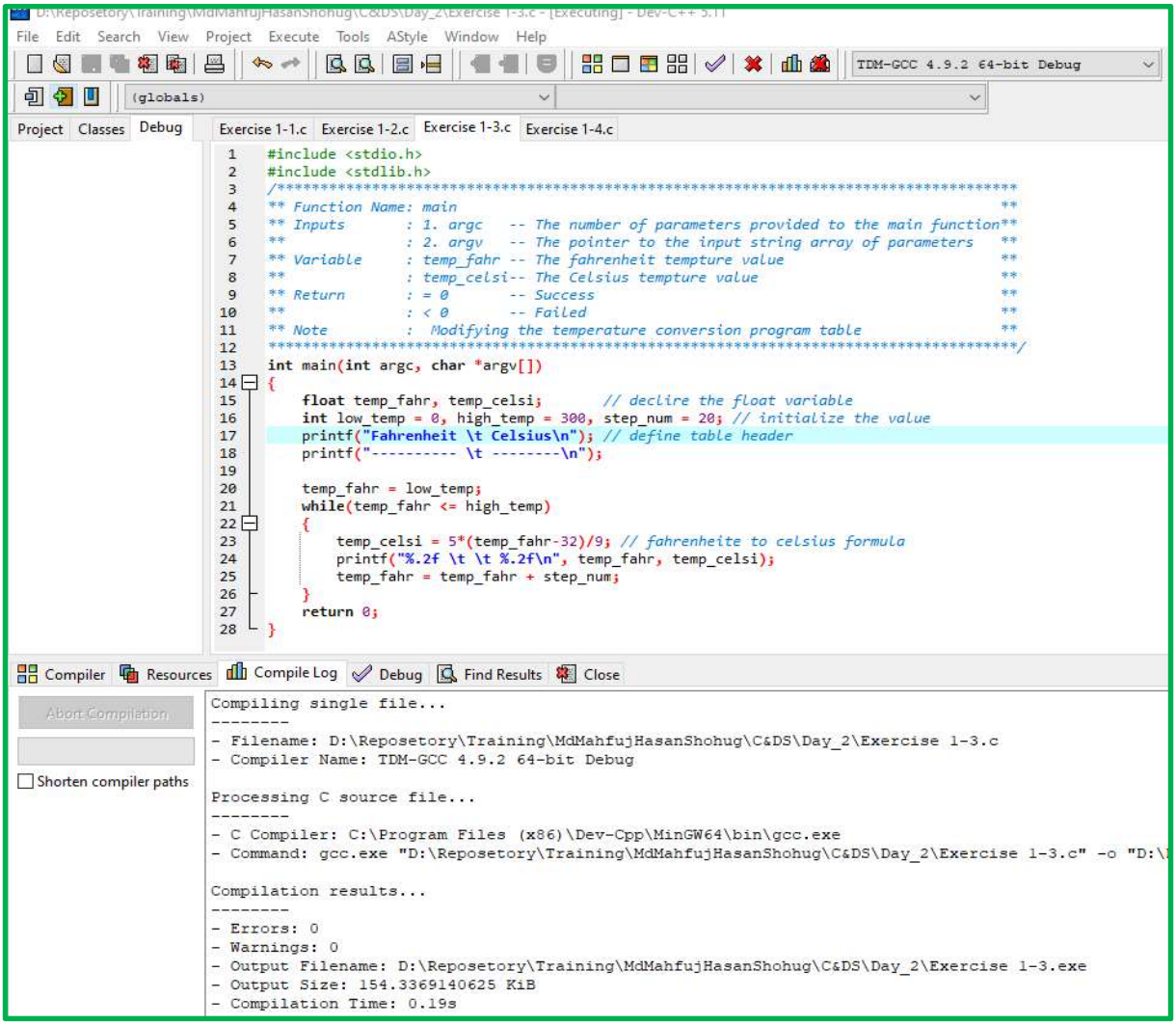


- \r: It's for Carriage Return. This escape sequence works to position the cursor at the beginning of the line.
  Coding part and output: Here showing "World" because \r bring the last word on the beginning of the line

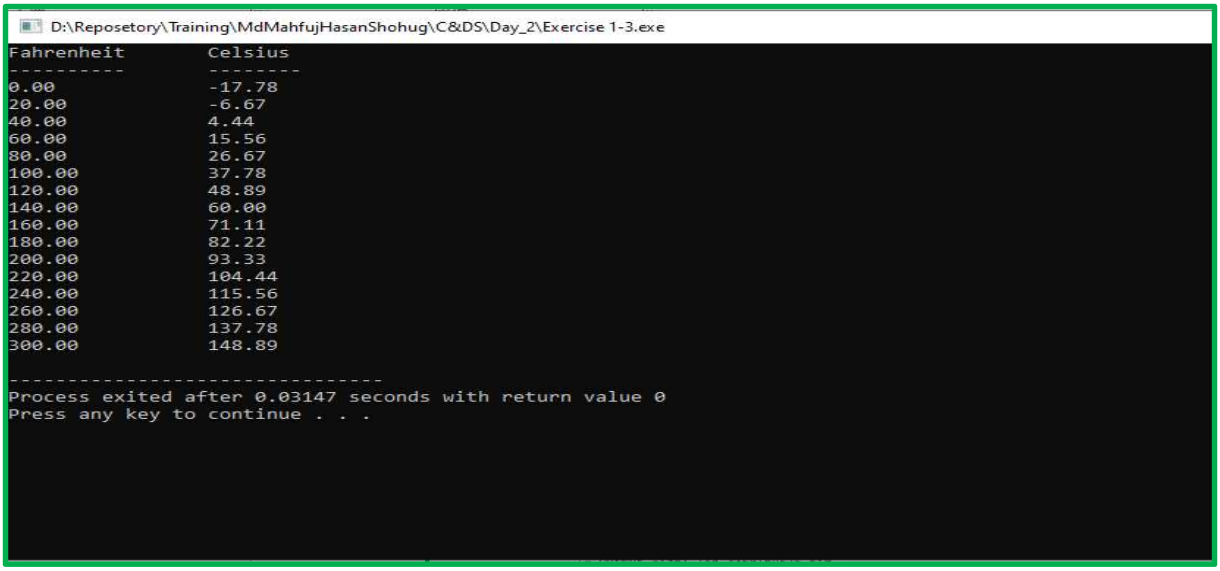


Exercise 1.3:

Modifying the temperature conversion program to print a heading from the given table (Fahrenheit to Celsius). Code file:

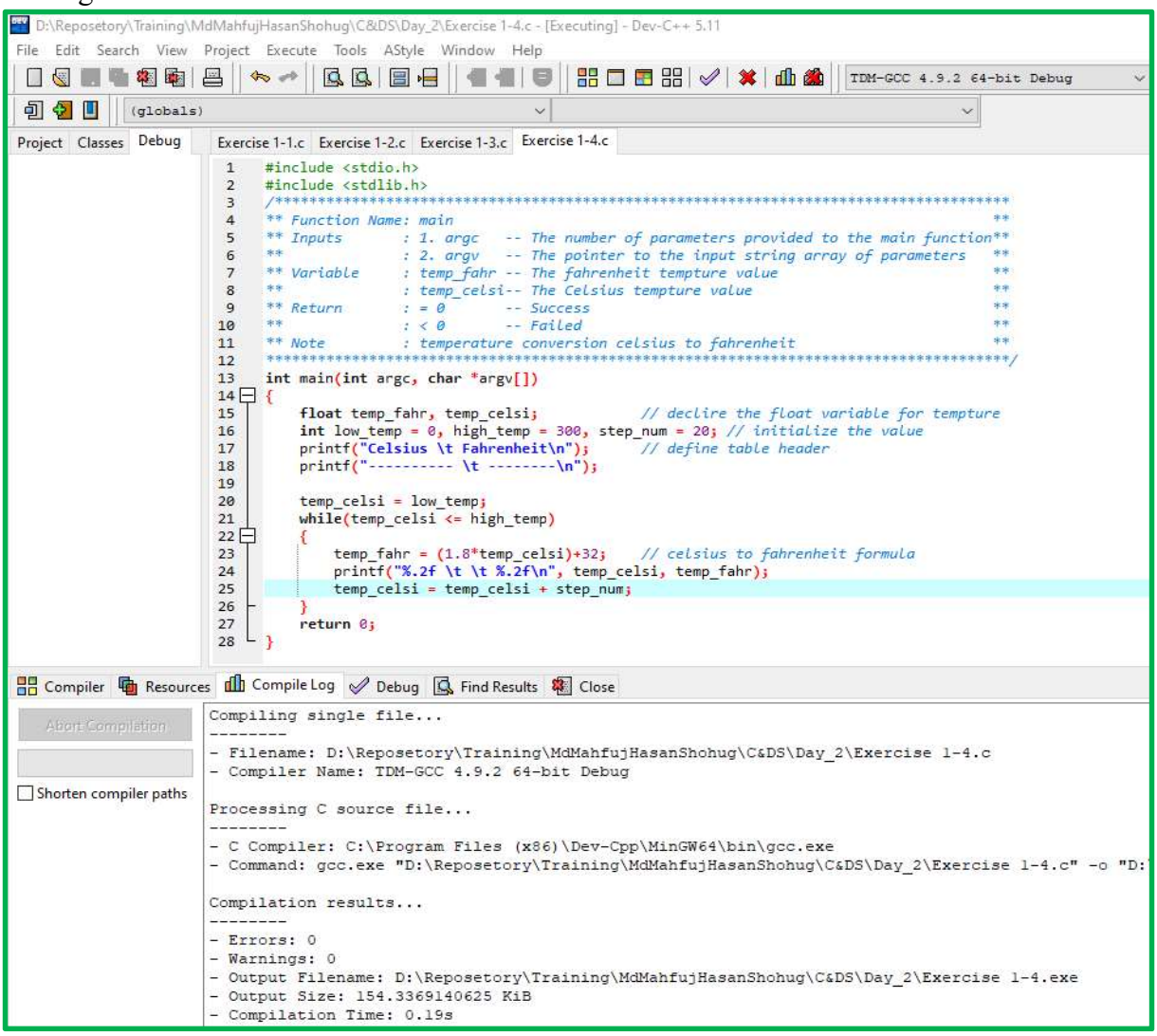


Output:



Exercise 1.4:

Now here I am writing a program to print the corresponding Celsius to Fahrenheit table.
Coding file:



Output: