OnlineVK Compiler - Documentation

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WEBSITE URL **:**

http://www.onlinevkcompiler.com.s3-website.ap-south-1.amazonaws.com

GITHUB ACCOUNT PROFILE :

https://github.com/VIGNESH-KUMAR-S/OnlineVKCompiler

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INTRODUCTION :

OnlineVK Compiler is a free and open-source online code editor that allows you to write and execute code from a rich set of languages. It's perfect for anybody who just wants to quickly write and run some code without opening a full-featured IDE on their computer. Moreover, it is also useful for teaching and learning or just trying out a new language.I created this page with the Editor help of repl.it. (https://repl.it/).
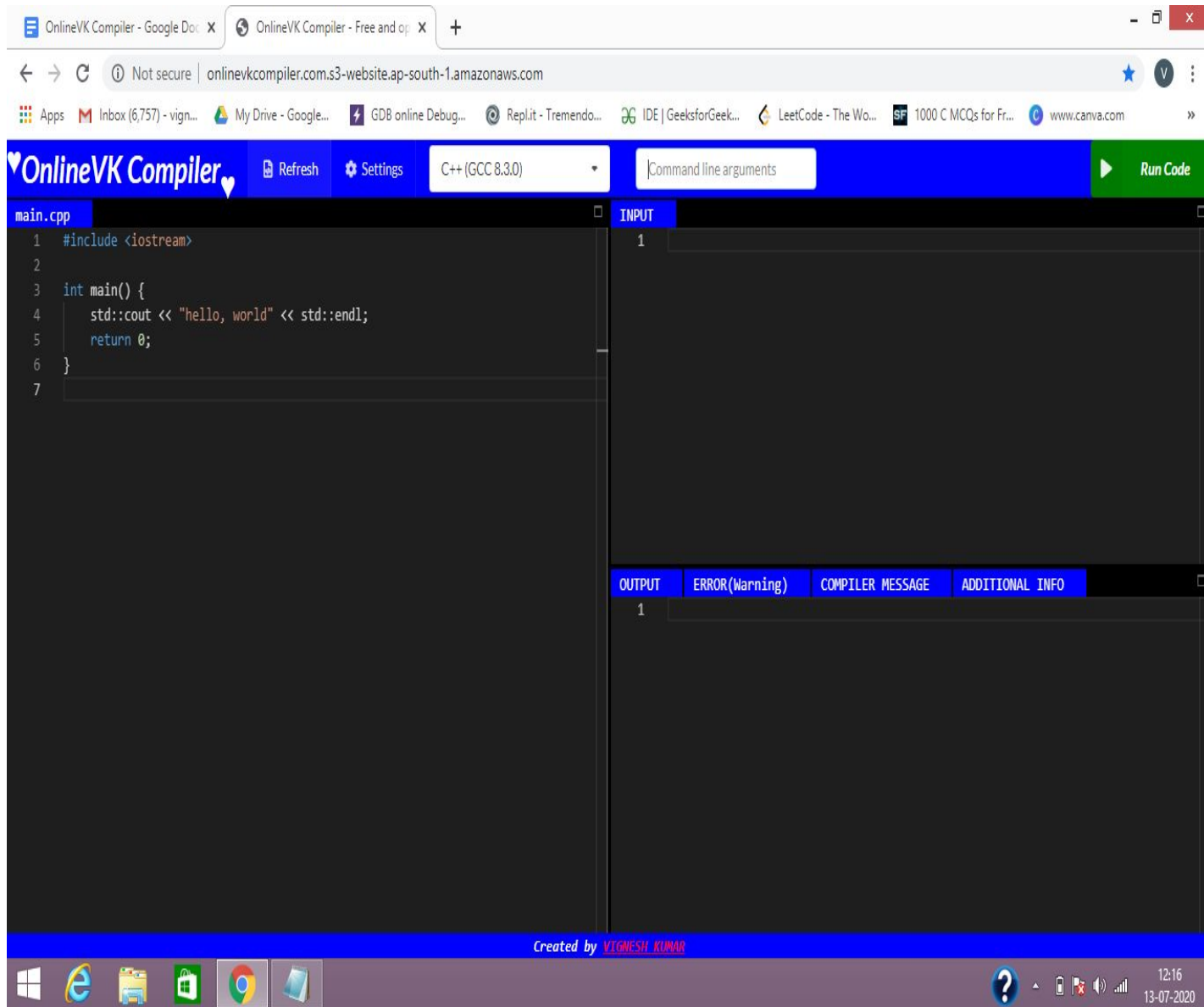
LANGUAGES REQUIRED:

1. HTML (Hyper Text Markup Language).
2. CSS (Cascading Style Sheets).
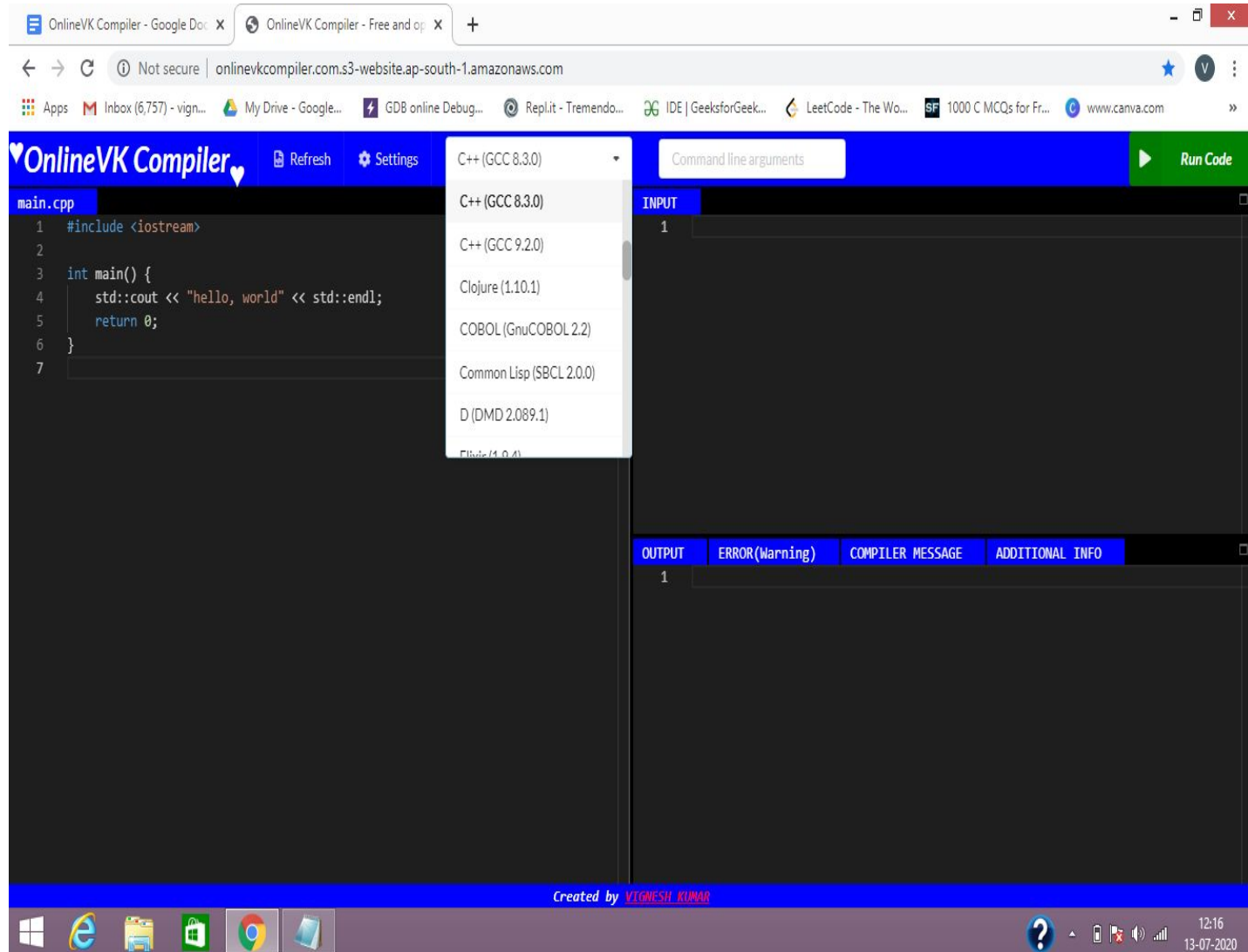3. JS (Java Script).

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HOW TO USE ?

➔ STEP 1 : Enter the WEBPAGE by using the link mentioned in the first page.
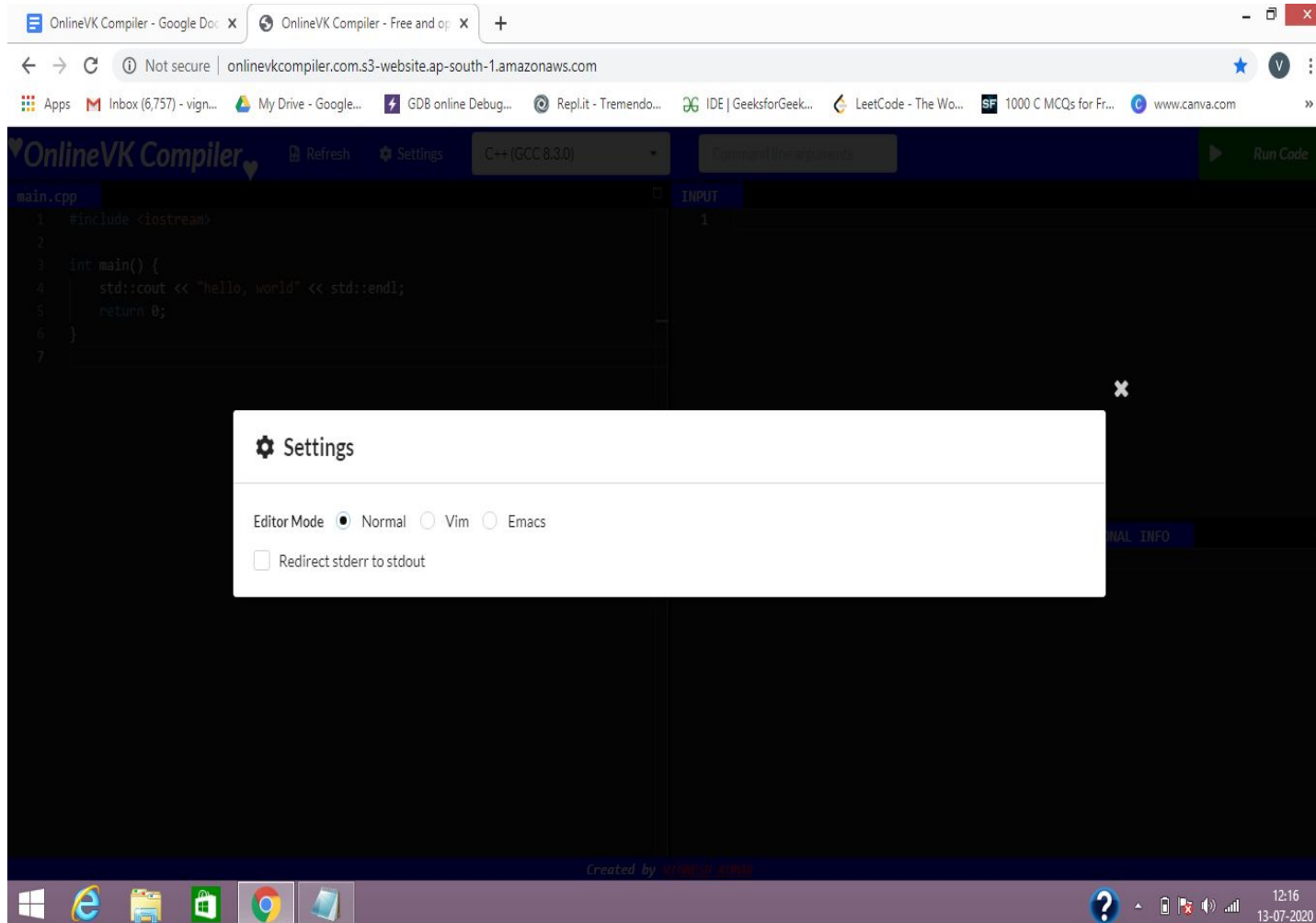
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➔ STEP 2 : After opening OnlineVK Compiler page , you should select the
language to code.

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➔ STEP 3 : If you want to change the Editor mode , then by clicking on the
settings icon shown in the top-right at header.You can choose either one of
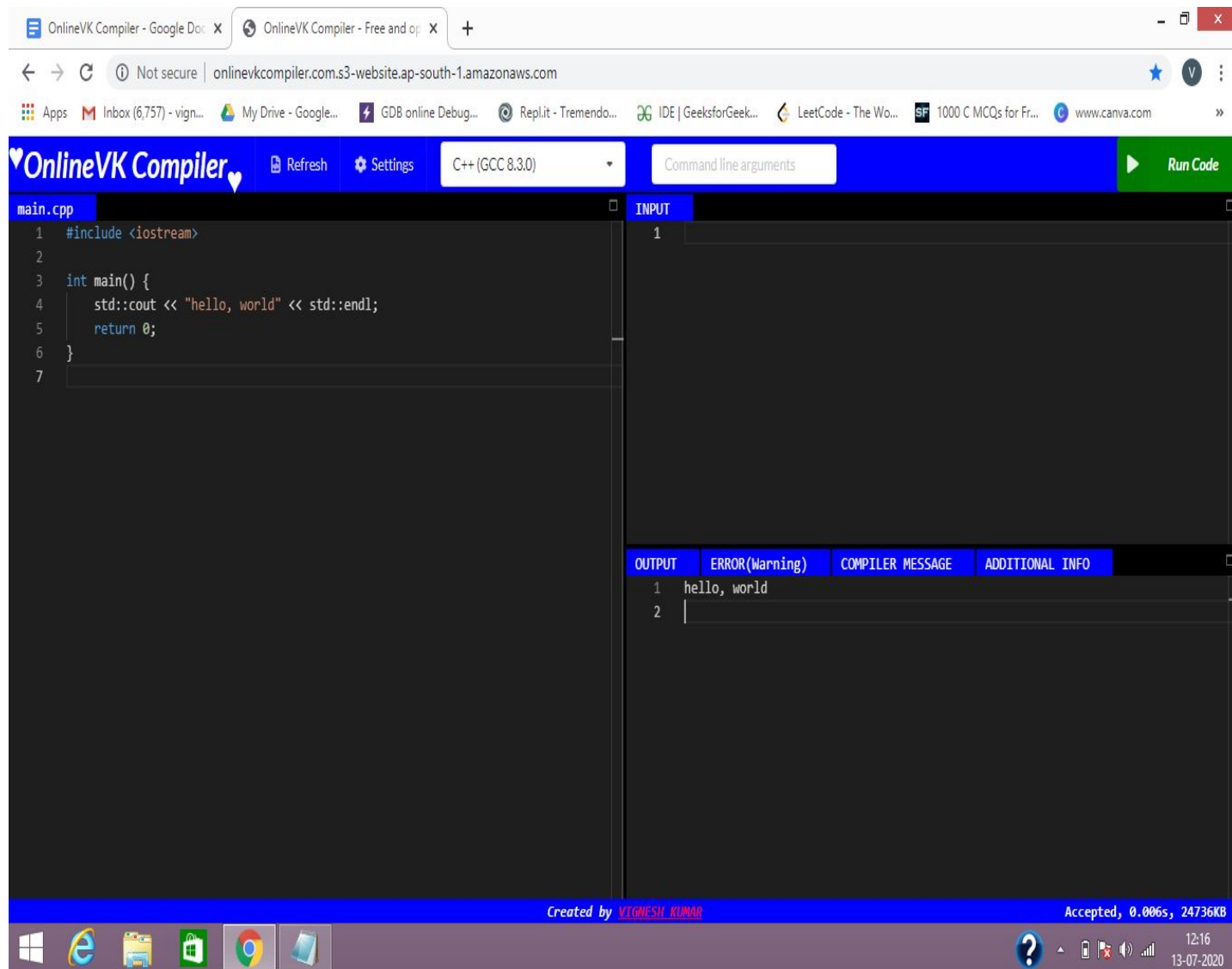the editor types.

➔ STEP 4 : Write the code in the "CODE BELOW" box on the page.

➔ STEP 5 : After writing the code , if the program needs user input then give it
in the "INPUT" box on the page.

➔ STEP 6 : If the programmer wants to give command line arguments we can
give it in the "Command Line Arguments " box.

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➔ STEP 6 : Then to execute our program by clicking on the "RUN CODE"

        button at the top - right corner on the page.

➔ STEP 7 : We can see the output in the "OUTPUT" box. If there is any error

        or warning that is displayed in the "ERROR(Warning)" box , To

        show the error we just click the above mentioned button.

➔ STEP 8 : We can see the COMPILER message in the "COMPILER

        MESSAGE" box.

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ADDITIONAL FEATURES :

➢ If we want to erase all the codes without changing that page by just clicking

"Refresh" button at top - left position.

➢ After clicking the "Refresh" button , the code is deleted and the default code

of "Hello World" program comes on the console.

➢ "ADDITIONAL INFO" box is displaying additional information about the

current selected language.

➢ In the bottom right corner the status message of the execution of the program

is shown as whether it is accepted or not.

➢ Also the required time to run a program is shown in the bottom right corner.

➢ With this memory allocated for that program is also shown.

➢ If you want any doubts or queries regarding this page you can contact me

directly through this page by clicking on the "VIGNESH KUMAR" , this

will redirect you to the mail compose page with my email address .

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<u>HOW TO CREATE THIS?</u>

❏ First you should create a UI(Layout) using HTML .

❏ Then by using CSS , we can give required color to the required positions ,
blocks etc...

❏ Then by using Javascript , we can give functionality to the required buttons
and boxes.

❏ By using a rapidapi key and rapidapi host we can create this compiler.

❏ Rapidapi key differs from each user , so you should create an account in
https://rapidapi.com.

❏ After creation of the account you search the repository of
https://rapidapi.com/hermanzdosilovic/api/judge0 by using this I create my
own compiler.

❏ After the completion of this code , you should host it in the website using
AMAZON AWS , AZURE , etc..

❏ I use AWS to host the web site.

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CONCLUSION :

In today's world, everyone wants to learn the basics of programming, but setting up a programming environment offline (in a computer system) can be difficult for beginners. The advantage of using OnlineVK Compiler is that the user doesn't need to have his/her own PC or laptop to learn, all one needs is just a web browser with an internet connection.