



`floc.c` - THE ONLINE COMPILER

by Semicolon Stardust (Table 2)

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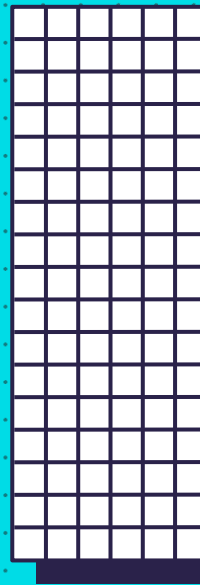
Future prospects of floc.c





01. PROBLEM STATEMENT

Domain: Web Development ; P.S. 1



PROBLEM STATEMENT 1: ONLINE COMPILER



Create a online compiler in which user should input the code from an code editor of any programming language and the code should be compiled on the server compiler accordingly and return back the compiled output to the client.

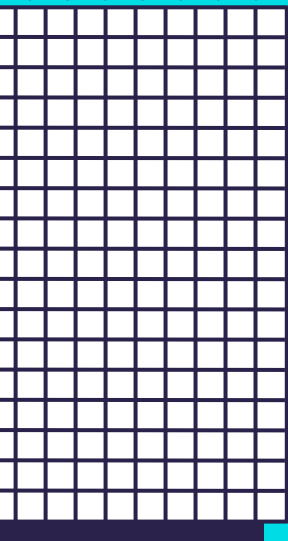
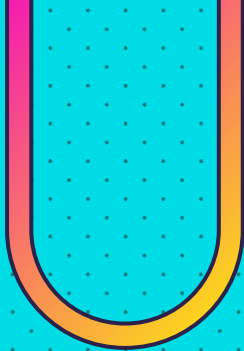
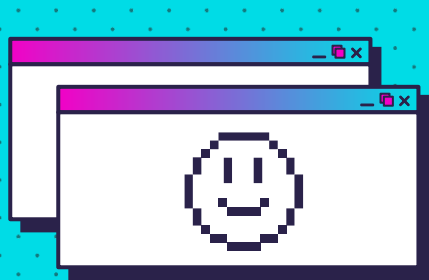
Frontend:

You need to create a code editor where user can write the code by choosing any programming language (minimum 3 programming language it should support ex. Java, Python, C++, etc.).
A terminal to view the code output

Backend:

Create any programming language compiler (minimum 3 programming language ex. Java, Python, C++, etc.)
Dockerise compiler server and host on any cloud services (ex. AWS, Heroku, Azure, etc.)





02.

WHAT IS FLOC.C?

Floc.c is derived from the word flock which means to collect or to compile



floc.gif

floc.c ←

Go Lang

RUN: ▶

```
1 package main
2
3 import "fmt"
4
5 func main() {
6     fmt.Println("... Hello World in Golang ...!")
7 }
8 }
```

Hello, World in Python...

SMOOTH,
SUCCINCT AND
STYLISH



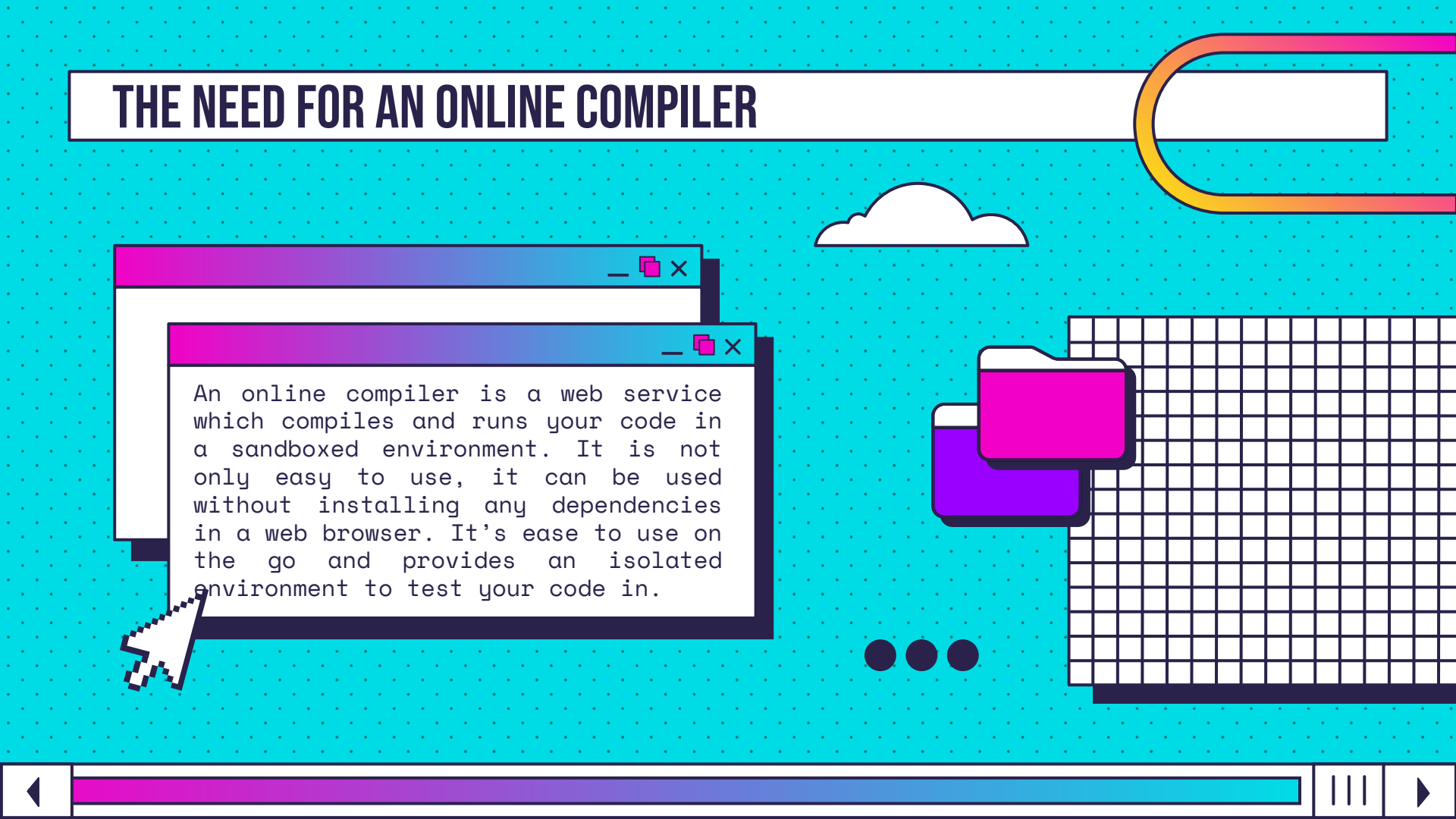
are three words that aptly describe floc.c. floc.c is an online compiler designed to compile codes from languages like Python, C, C++, GoLang and **even** FORTRAN!



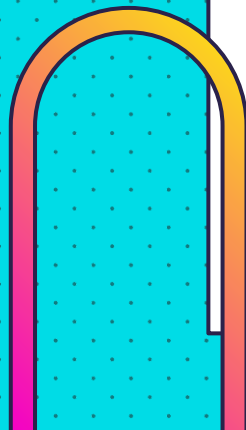
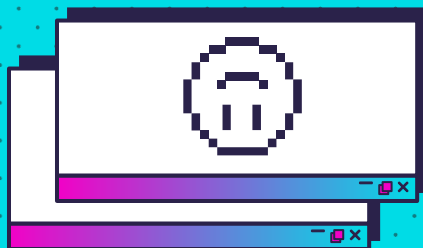
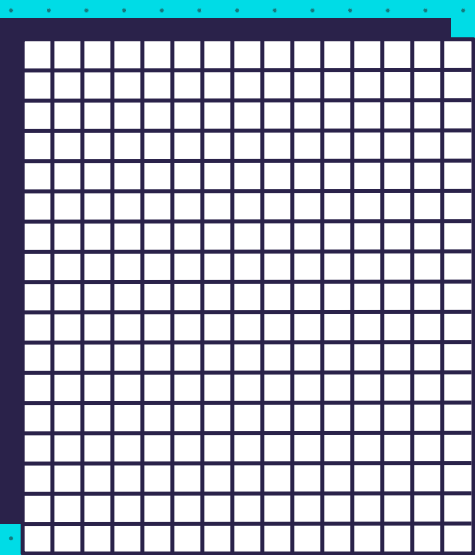
03. WHY IS AN ONLINE COMPILER NEEDED?

Is it laziness or convenience?

THE NEED FOR AN ONLINE COMPILER

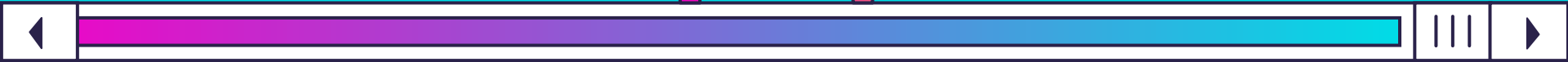


An online compiler is a web service which compiles and runs your code in a sandboxed environment. It is not only easy to use, it can be used without installing any dependencies in a web browser. It's ease to use on the go and provides an isolated environment to test your code in.



04. PLACING FLOC.C ON THE OPERATION TABLE

Dissecting each feature
that we offer one at a time



KEY FEATURES



FROM GOLANG TO FORTRAN

Floc.c features 5 programming languages in our assortment of compiled languages (more in the later slides)



NO MORE LOSING DATA

With data being automatically saved to local storage at a generous frequency, say bye bye to losing the work of your sweat and blood, or coffee I guess.

COMING REIMAGINED

floc.c was built from scratch in under 72 hours with the coordinated efforts of our 4 member team amassing 100 commits by our team on GitHub in such a short span of time.



KEY FEATURES (CONTD.)



NO CREDIT CARD, NO SIGNUP, NO BS

Programmers have a lot to do and going through sign up prompts is not one of them. Hence, any account creation is optional



AND..*STYLISH?*

Boasting a focused yet flamboyant UI to separate floc.c from many other



NOT JUST A BLAND COMPILER

floc.c features a beautiful IDE with dynamic syntax highlighting to complement the powerful compiler



SECURE

Another plus point with an S at the start, floc.c is hosted with an SSL certificate makin' it *extra* safe.

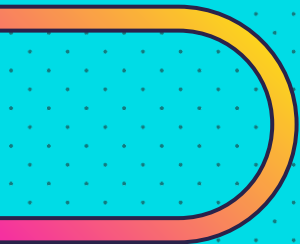


Programming languages supported by floc.c



THE
C
PROGRAMMING
LANGUAGE





05. THIS IS TO GO EVEN FURTHER BEYOND!

Future prospects proposing features to make floc.c the #1

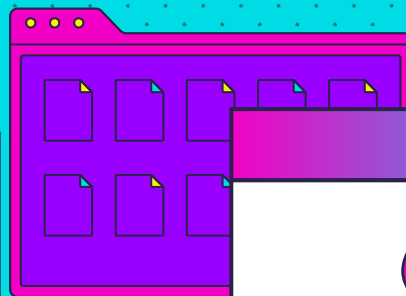


MORE POWER?!



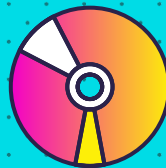
DYNAMIC CLI

Incubating a dynamic terminal (CLI) instead of current static CLI for a "closer to offline" experience



VERSION CONTROL SYSTEM

Integrating a version control system for smooth rollbacks to previous versions



ACCESSIBILITY



FOR VISUALLY IMPAIRED

We plan to include speech recognition features to navigate the site as an alternative way for the visually impaired.



FILE MANAGEMENT SYSTEM ON CLOUD

This provides instant accessibility across all signed in devices to help you be on the move always.



MORE MISC FUTURE PROSPECTS



CUSTOMISE YOUR SITE

The user will have the ability to change the colors in the site according to their preference



COMPETITIVE CODING

A platform will be provided for skilled programmers to test their skills as well as a learning platform for new programmers



HOST YOUR PROJECTS

Ability to host projects with custom URLs for easing the cumbersome deployment process



THANKS!



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FINISHED!

