Parser Project

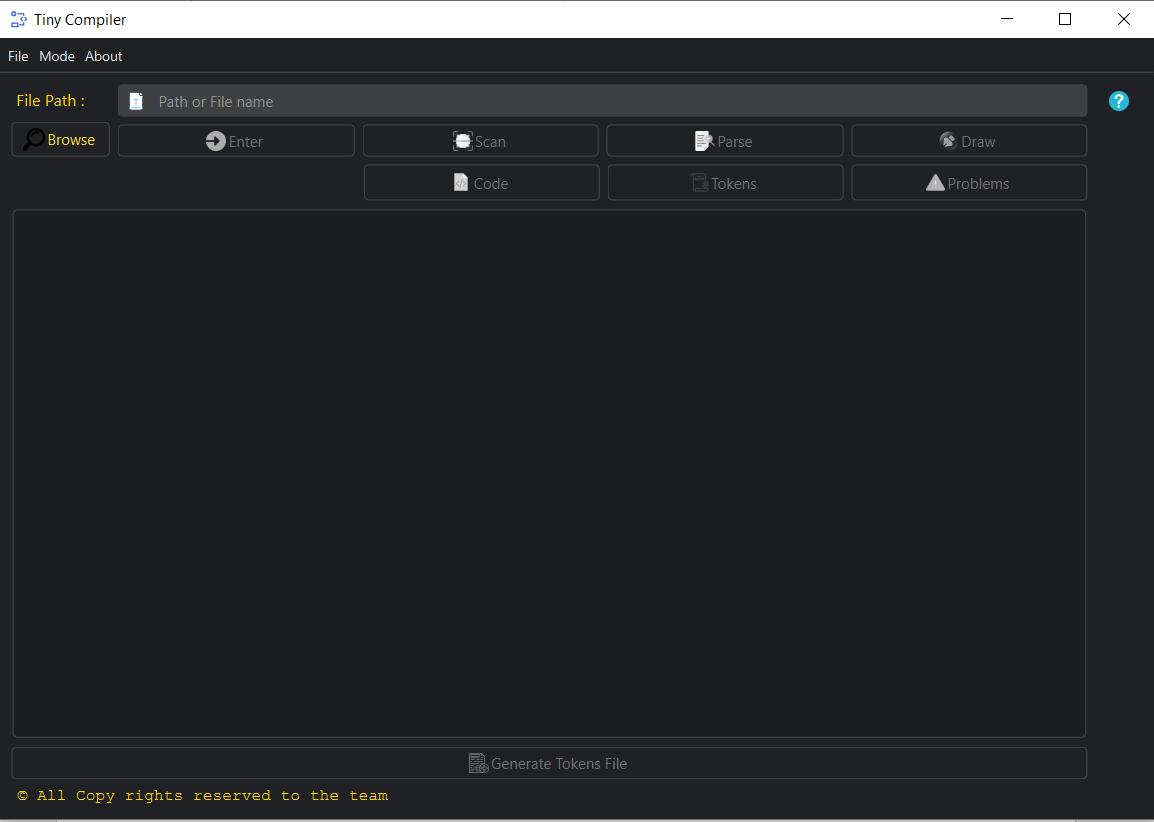


# Team members:

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# Screen Shots:

## Main Window:



File Path : To put the tiny code path or filename If it was in the same directory with the app.

Browse button : Let you choose a file from the computer.

Enter button : check for the availability of the file and the type of it and the path syntax.

Scan button : to do scan on the tiny code and generate Tokens

Parse button : to do parsing on the tokens and to check syntax error

Draw button: if parser succeed the AST (Abstract Syntax tree) is available to draw.

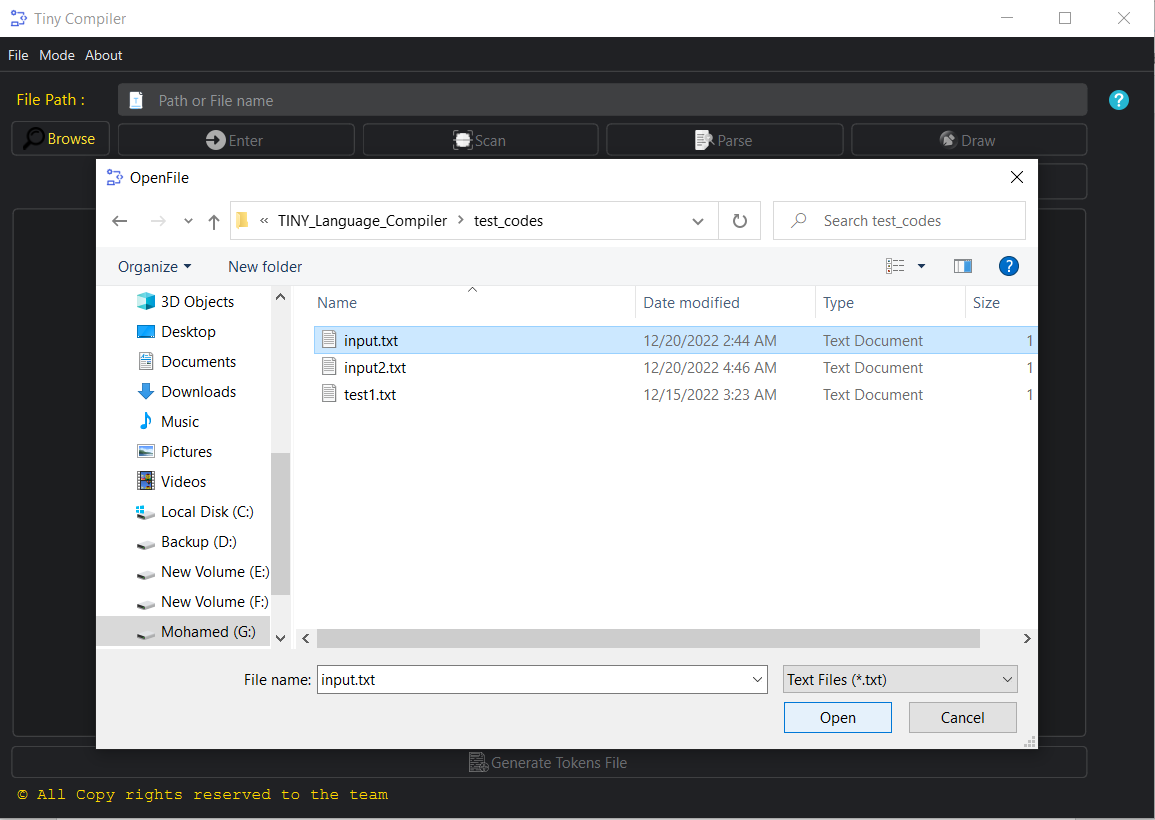
Code Button: to show the tiny code.

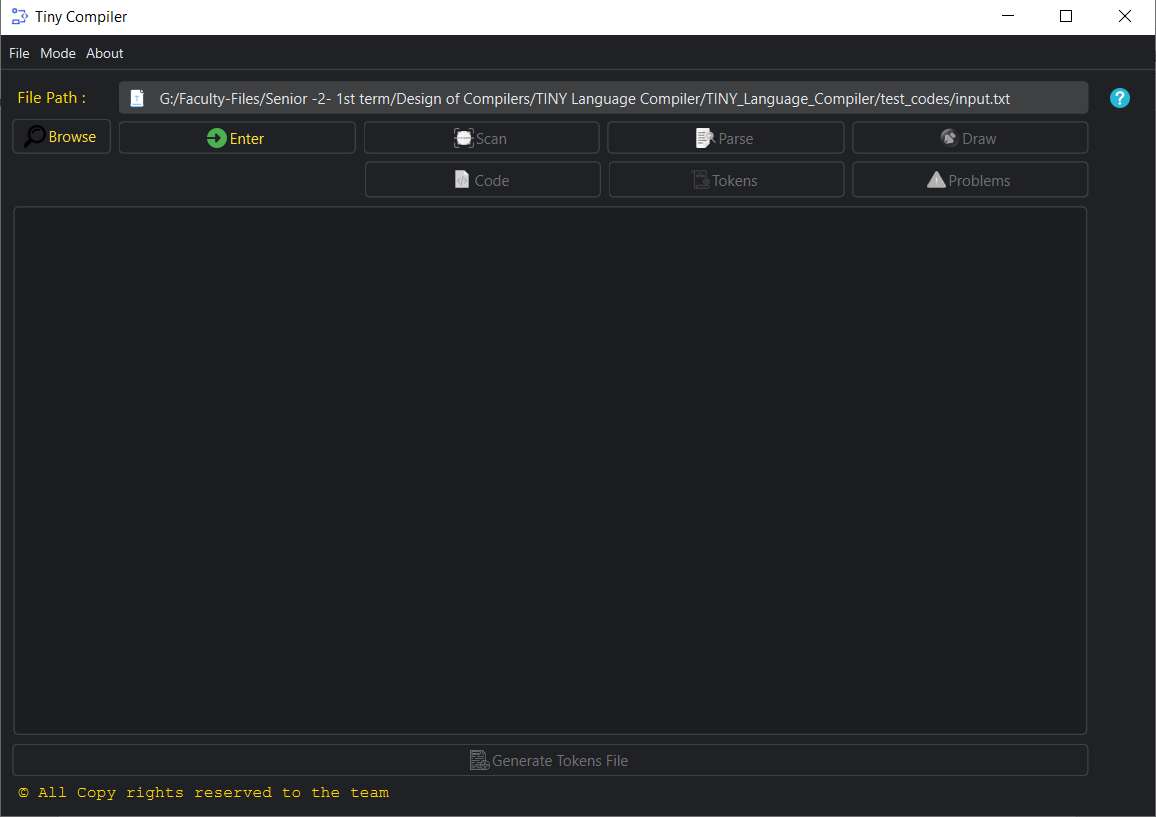
Tokens button: to show the tokens generated from the scanner.

Problems button : to show the problems generated from scanner or parser.

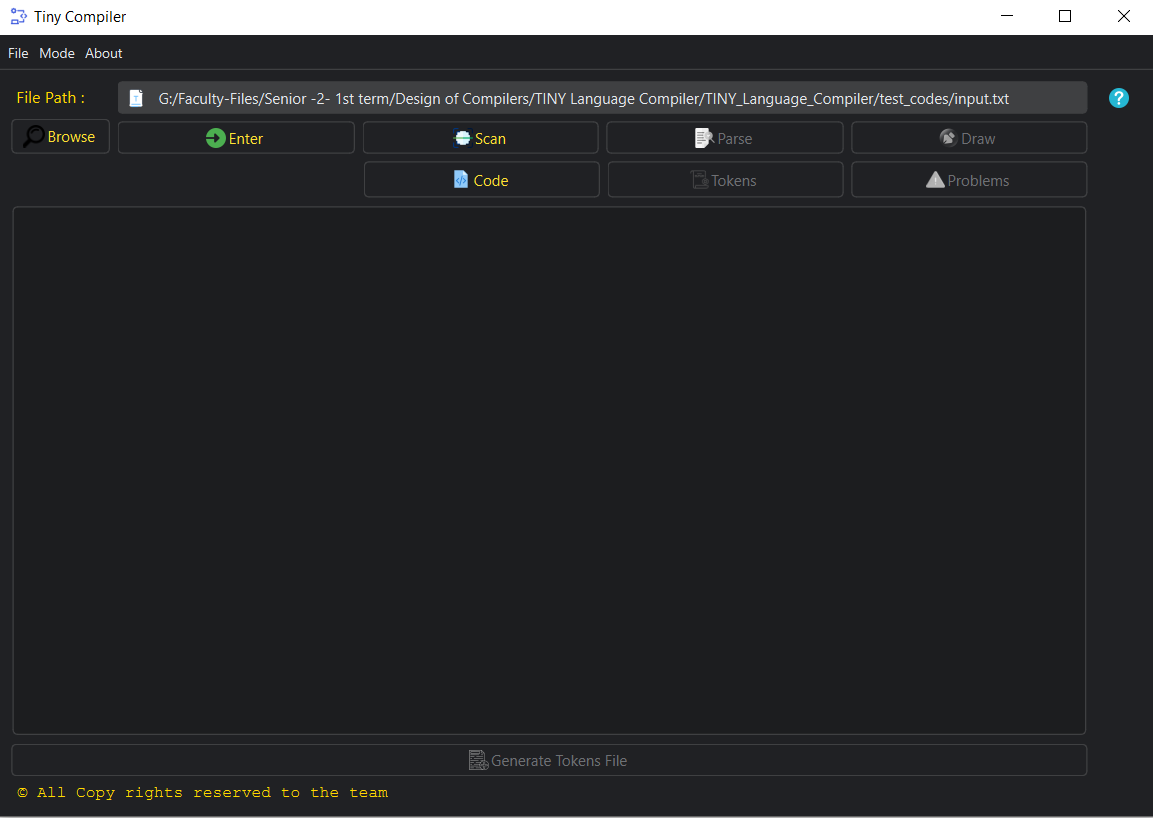
Generate Tokens file: to generate tokens file .

## Browsing:

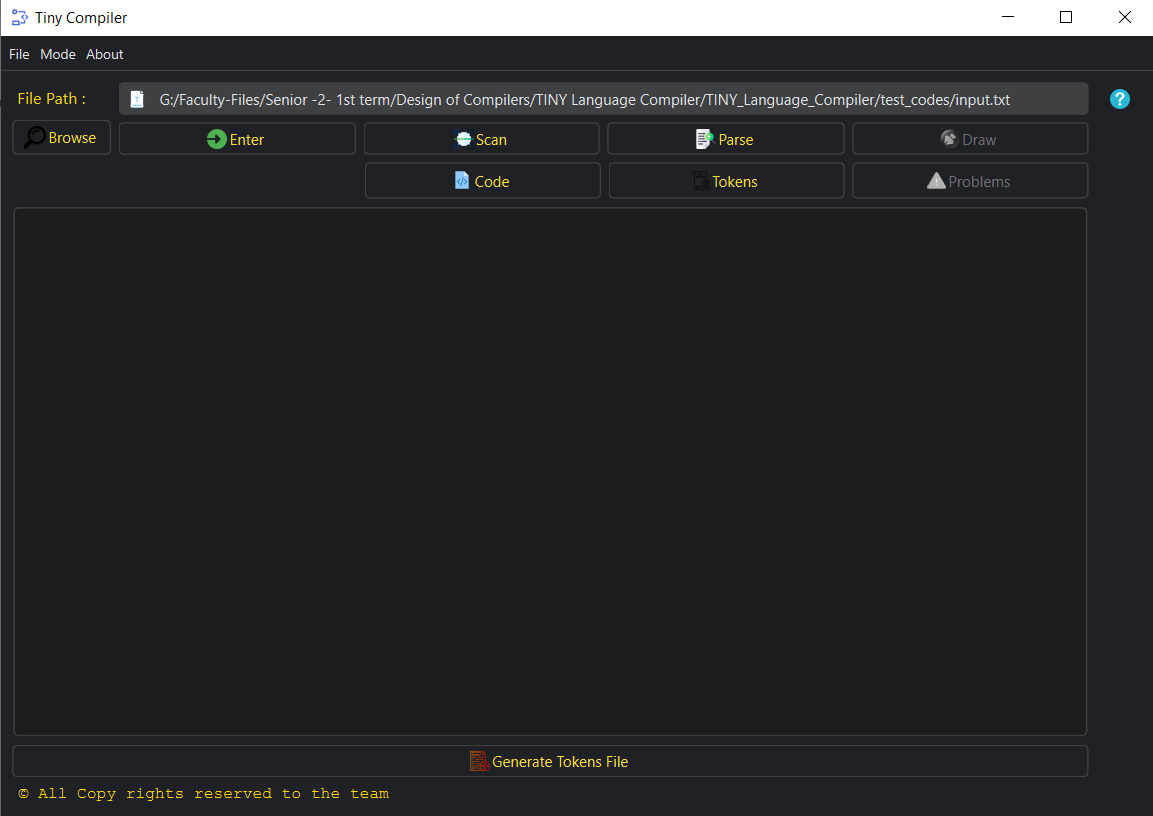


 After clicking open enter button is now available to press and the path is filled.

After pressing enter button **Scan** and **code** buttons is now available.

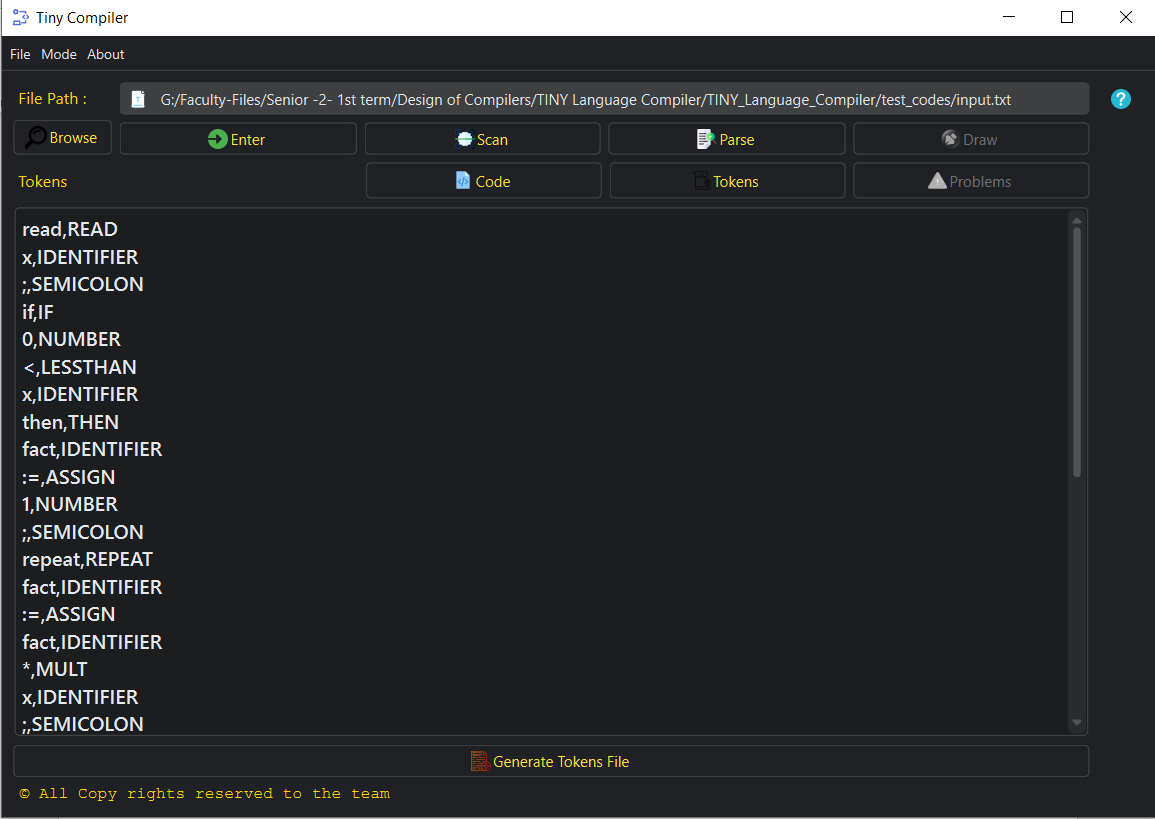


## Scanning:

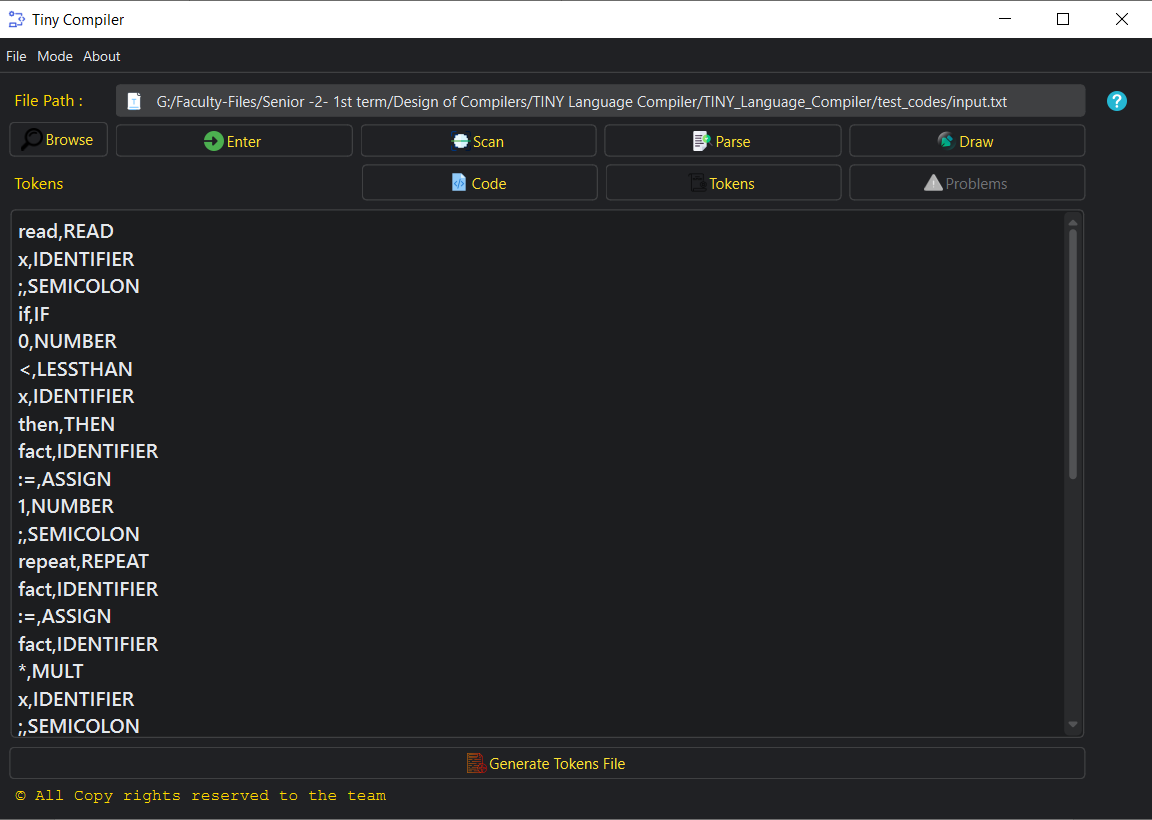


Now after press **scan** button **parse** and **tokens** button is now available.

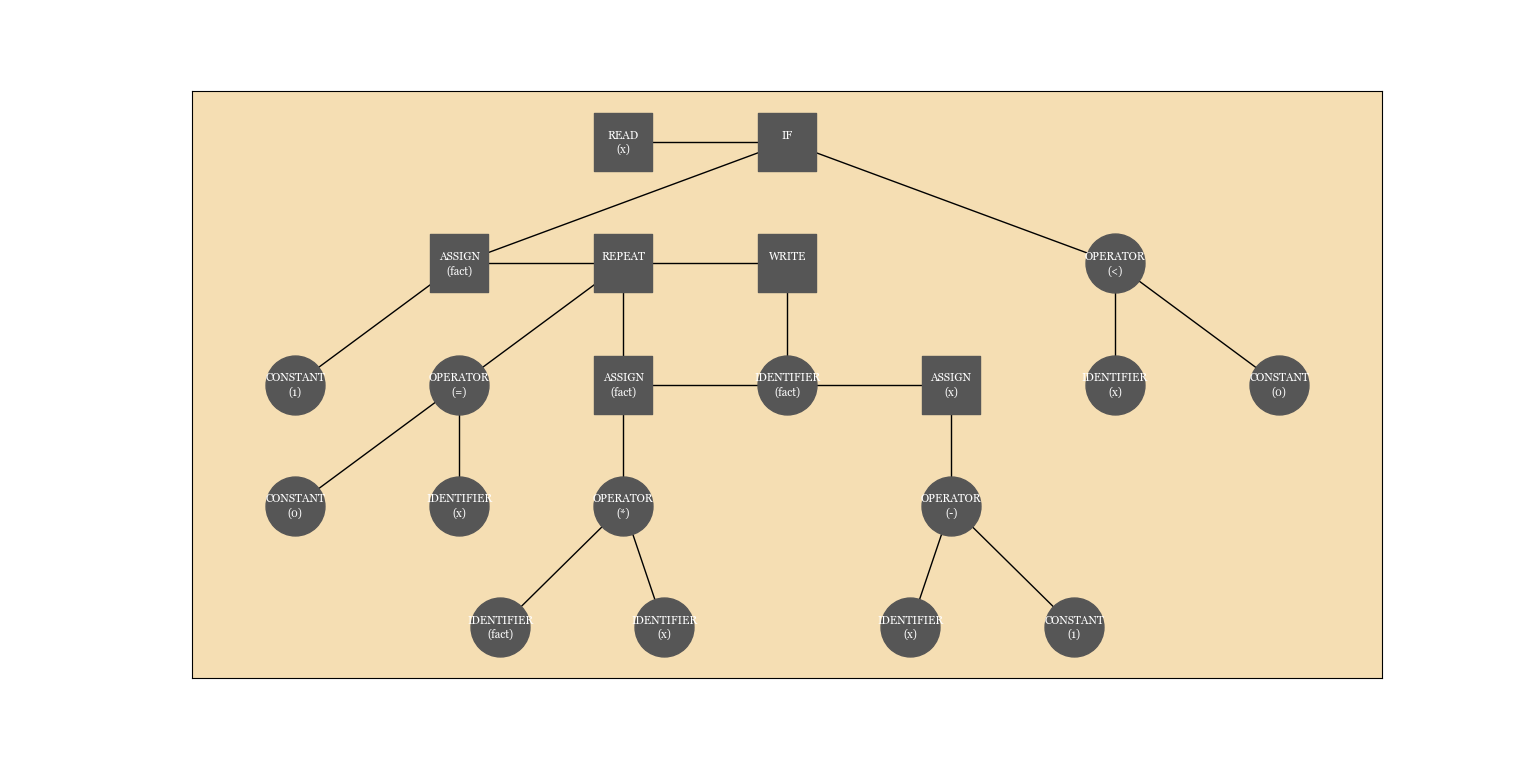
After pressing **tokens** button tokens are showed in **text** area.



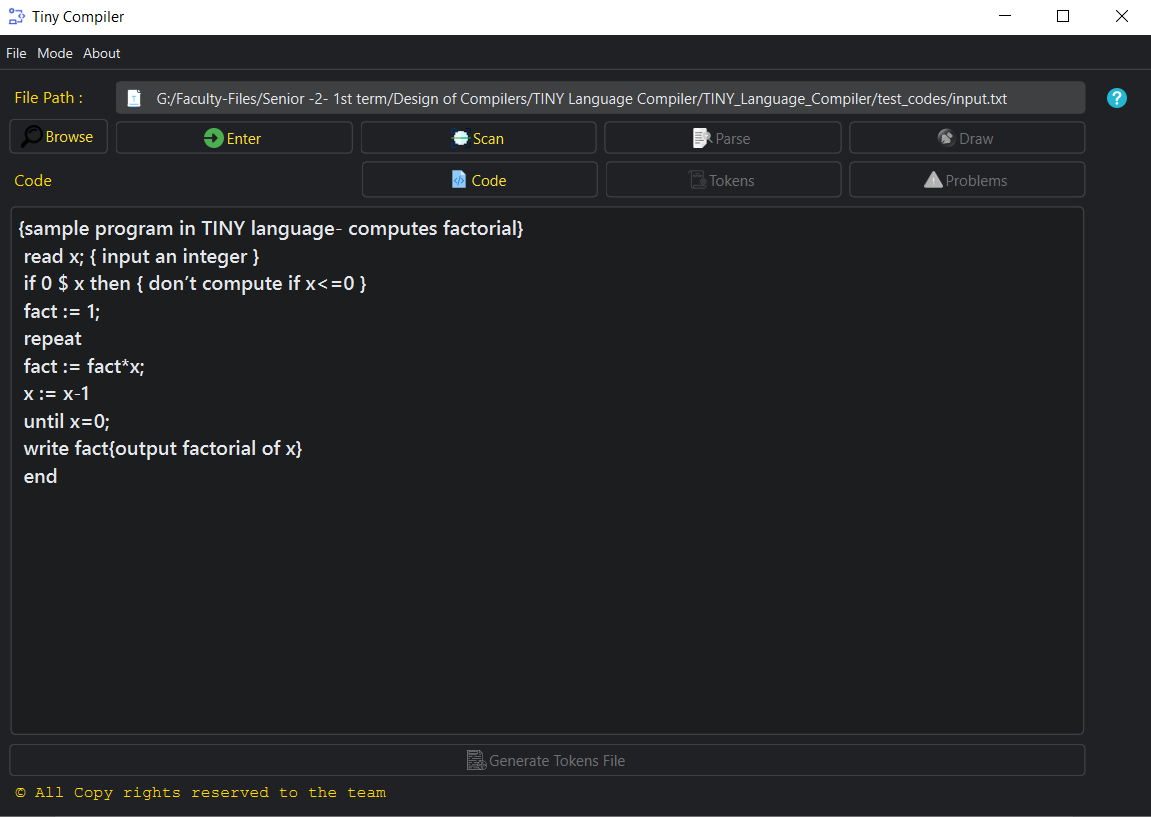
## Parsing:

After pressing parse button draw button is available with no errors.

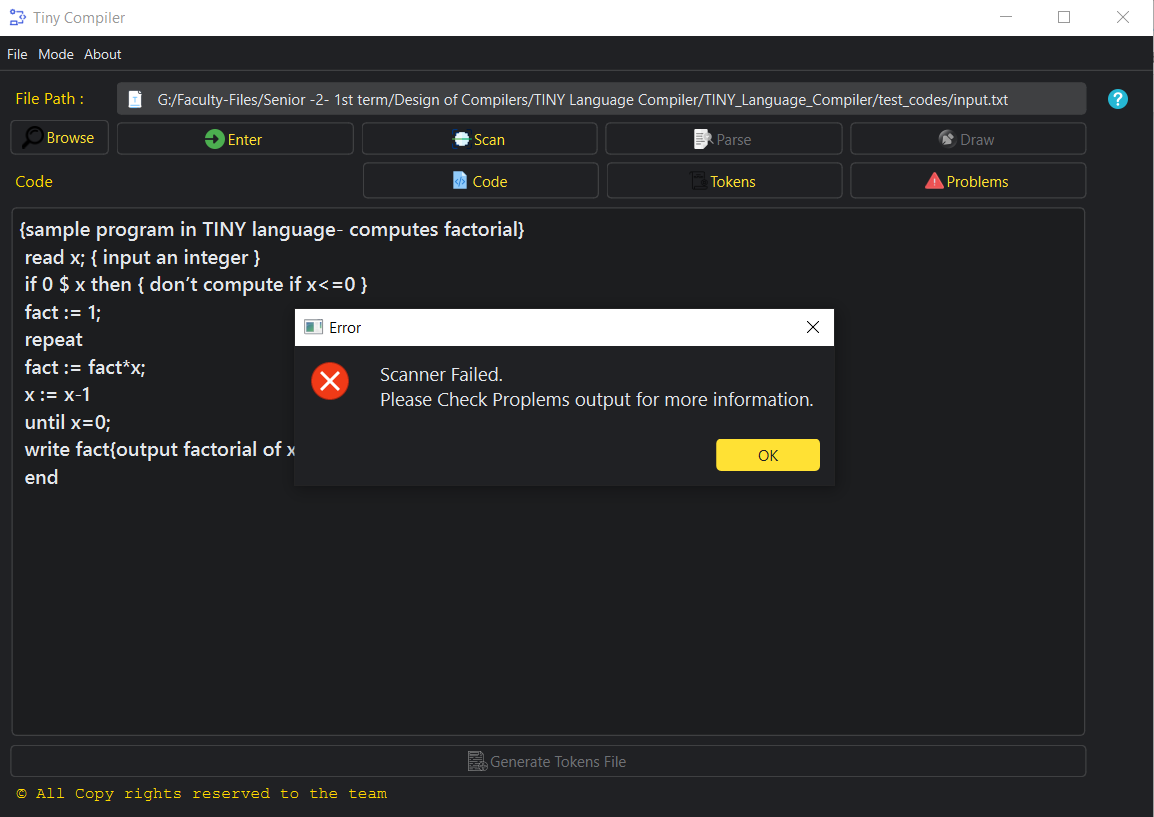
## Drawing:

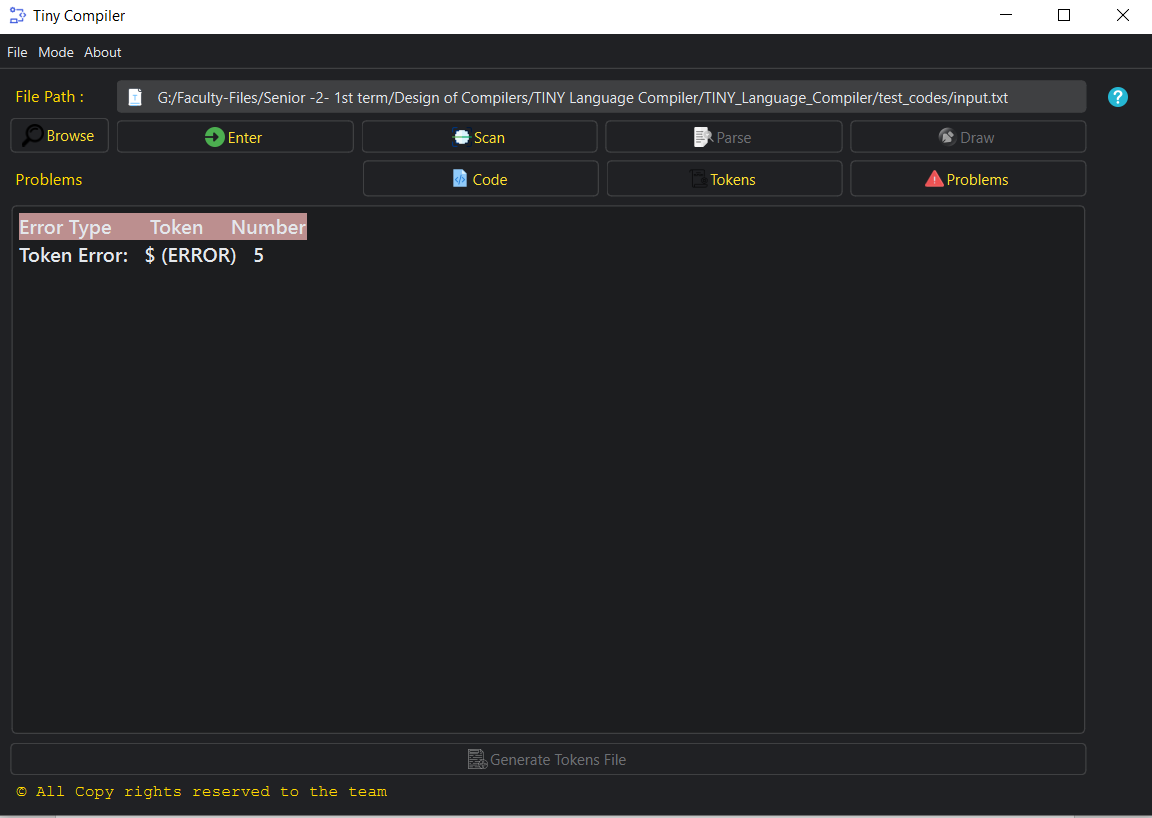
After pressing **draw** button this image is generated.

## Here after editing in the code and butting scanner error. No $ symbol in the language. if 0 $ x then.



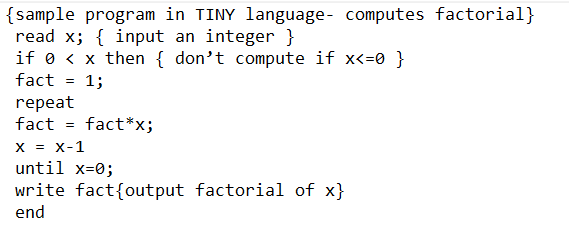
After pressing scan error message pop and problems button is available and **parse and draw** buttons is disabled.



After pressing **problems** button.

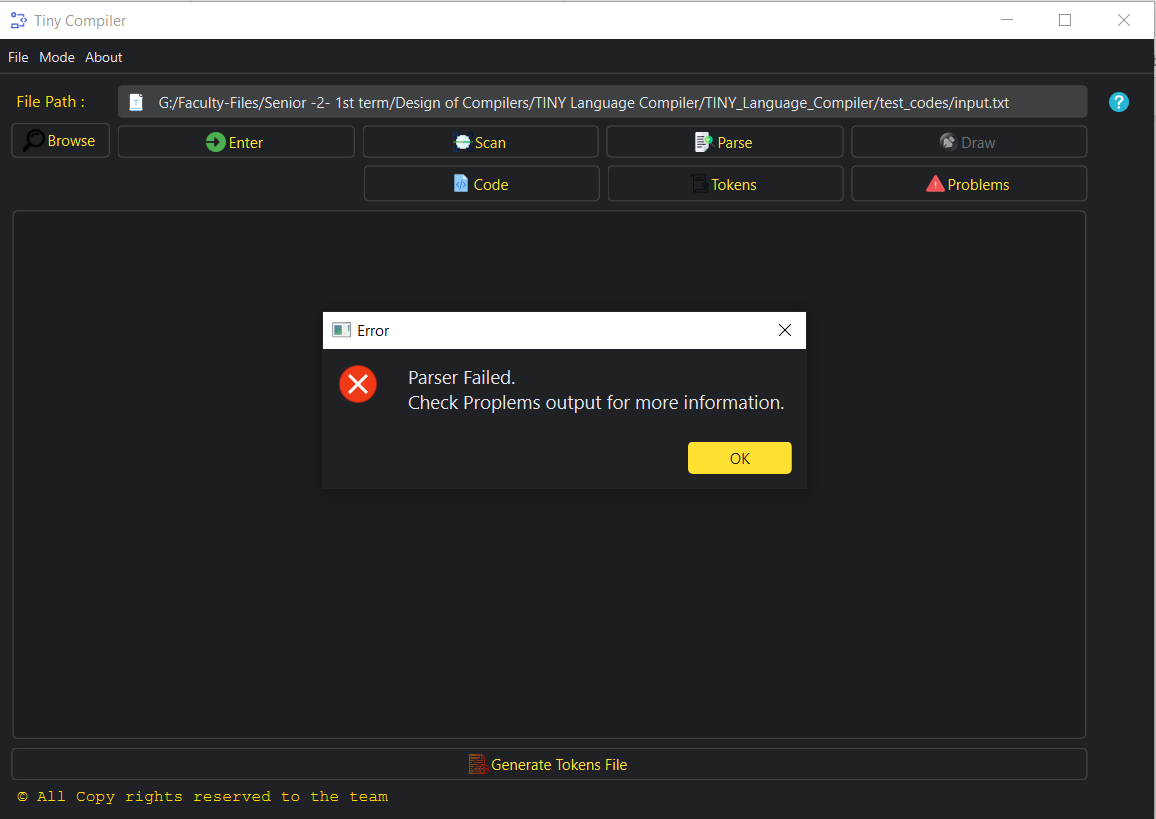
## Parser error:





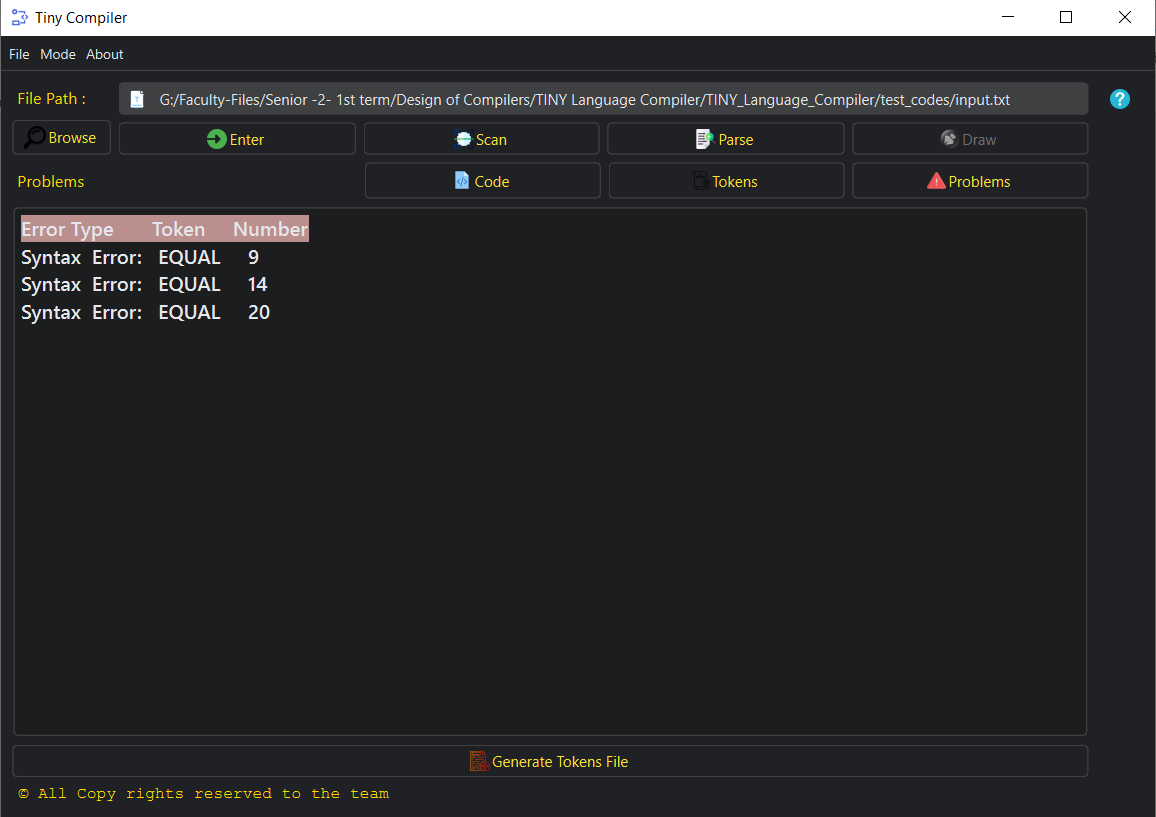
**Here are 3 syntax error .**

After scan and parse the code.



Error message is popped.

After pressing problems button:



## There is also light mode available in the app could be chosen by CRTL+L or from mode menu bar.