1-what loop parser does:  
after uploading (file.c ), code works on reading (file.c) code, show loops start line with line number, require number of iterations needed , formatting it , define each loop block & replace it with (switch: case: ) block then write the final code in another empty (file.c)

a)Reading:

in (1.php) file,   
$\_FILES["fileToUpload"]["name"];

move\_uploaded\_file($\_FILES["fileToUpload"]["tmp\_name"], $target\_file);

Using those functions the uploaded file will be opened to work on

b) Show:

In(1.php) using HTML code , start line number & content appear to the user

c) Require:

Using HTML textboxes , User can write number of iterations needed for each loop

d) Formatting:

In (1.php), Code search for each curly bracket or reserved keywords that start loops (for,while…) to make each one of them starts a new line & put the next code on the next line.  
to help me counting & defining each loop block

e) Define:

In(2.php), function ( check ) define each loop block with its(start line number, end line number, start line content, block of code, initial value for iterator , max value can iterator have & step between them) ,finally Code put all of that in an object to use it in replacing

f) Replace:

In (2.php), Function (CheckBlock) replace each loop block with its (switch: case: ) code that can perform needed action

g) Write the Final Code:  
In (2.php), Code open (output.c) file to write the final form of Code

2-Problems &Limitations:

1-For now, Code works only on For Loop , with nested one on that form

( for(//structure)code)

So I faced a problem to work with nested for with code on (number of For StartLine + 1)

2-For block work properly with If & other reserved keywords if they are inside curly brackets

but without that there are some problems with those keywords

3-Declarations:

1-I tried to make my code structured on OOP principles with comments for declarations

2- Working on problem 2 really consumed a lot of time, so I think I could be faster without that, but I insisted on working on this problem

3-I have a general thought about other loop keywords & how to deal with them, but the real problem is how to define the iterator inside while/do..while loops?

4-All the Task files uploaded on gitlab