

Description

For a long-term project of sharing source code of the script language, the goal of this project is to design a simplified script language which is interpretable to a language compilable as C++ or GO.

How to use it

1. **Modify the Gramar if needed (SSSL.ebnf).**
2. **Write your program in SSSL in the file programme.sssl.**
3. **Compile the first Makefile (in the folder src).**
This will provide you two AST (a complete and a simplified one).
4. **Compile the second Makefile (in the folder src/AST_parser).**
This will give you a version go of your program (programResult.go).
5. **Finally compile your program go with the command " go run programResult.go".**

Useful information

You want to know more about our project ?

Gitub link :

<https://github.com/FlorianPO/Speeding-Simplified-Script-Language>

Wiki link :

http://air.imag.fr/index.php/Speeding_Simplified_Script_Language

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Speeding Simplified Script Language



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Fonction

*Declaration/Assignment

type={ string,float,int,void,bool}

type var;

type var=2;

var=2;

*Operation

Level 1	Level 2	Level 3
AND OR	* /	+ -

*Instruction condition

If(condition){...},

while(condition){...},

do {...}while(condition)

*Function

func type namefunc(type var, type var)

{

.....

return();

}

*echo/echoLn

echo(var); echo('string');

echoLn(var); echoLn('string');

Exampe SSSL

```
func int add(int a, int b)
{
    return(a+b);
}

void Main()
{
    int a=10;
    int b =add(a,10);
    echo('a = '); echoLn(a);
    float c = 4.5;
    if(b>10)
    {
        echo('c = '); echoLn(c);
    }
}
```

Result

```
a = 10
c = 4.5
```

Example GO

```
package main
import "fmt"

func add(a int, b int) int {
    return a + b
}

func main() {
    var a int = 10
    var b int = add(a, 10)
    fmt.Print("a = ")
    fmt.Println(a)
    var c float32 = 4.5
    if b > 10 {
        fmt.Print("c = ")
        fmt.Println(c)
    }
}
```

