

Compiler Assignment 2 Output Example

以下皆為參考輸出結果，作業並無限制同學輸出樣式，同學僅需逐行列出並讓助教批改時得知有做出該功能即可，並在此僅提供 Basic features 部分：

basic_case.txt :

```
Michel@Michel-PC ~/Compiler/Assignment_2
$ ./output.exe < basic_case.txt
Create symbol table

Insert symbol: a
Insert symbol: b
Insert symbol: c
ASSIGN
Mul
ASSIGN

Total lines : 5

The symbol table :
```

ID	Type	Data
a	int	3
b	int	2
c	int	40

print_brackets.txt :

```
Michel@Michel-PC ~/Compiler/Assignment_2
$ ./output.exe < print_brackets.txt
Create symbol table

Insert symbol: a
Insert symbol: b
Add
Mul
ASSIGN
Print : 18
Div
Print : 6
Print : "Hello"

Total lines : 6

The symbol table :
```

ID	Type	Data
a	int	18
b	int	2

error_case.txt :

```
Michel@Michel-PC ~/Compiler/Assignment_2
$ ./output.exe < error_case.txt
Create symbol table

Insert symbol: a
Mul
Insert symbol: b
Insert symbol: c
Div
ASSIGN
<ERROR> cannot find the variable k ----- on 5 line
<ERROR> The divisor can not be 0 ----- on 6 line
ASSIGN
ASSIGN
<ERROR> cannot find the variable L ----- on 7 line
<ERROR> re-declaration for variable b ----- on 8 line
<ERROR> cannot find the variable G ----- on 9 line
Mul
ASSIGN
Add
Mul
ASSIGN
Mul
Print : 1350

Total lines : 11

The symbol table :
```

ID	Type	Data
a	int	5
b	int	8
c	int	270