Compiler Assignment 3 Output Example

以下皆為參考輸出結果，並在此僅提供basic case：

compute.txt :

yacc

```
Add
Print : 43
Print : 90
Print : "Hello"


Total lines : 3

The symbol_table is empty

Generated: Assignment_3.j
```

JVM

```
43
90
Hello

Compile Success!
```

variable.txt :

yacc

```
Create symbol table

Insert symbol: a
Insert symbol: b
Mul
ASSIGN
Print : 40
Add
Div
ASSIGN
Print : 8


Total lines : 6

The symbol table :

ID        Type      Data
a         int       8
b         int       40



Generated: Assignment_3.j
```

JVM

```
40
8

Compile Success!
```

error_case1 :

yacc

```
Create symbol table

Insert symbol: a
Insert symbol: b
<ERROR> re-declaration for variable b ------ on 3 line
Mul
ASSIGN
Add
Print : 1020


Total lines : 5

The symbol table :

ID        Type      Data
a         int       1000
b         int       20



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```

JVM

```
1020

Compile Failure!
Exist 1 errors
```

error_case2.txt :

yacc

```
Create symbol table

Insert symbol: a
Mul
Insert symbol: b
Insert symbol: c
Div
ASSIGN
<ERROR> cannot find the variable k ------ on 5 line
Print : 0
<ERROR> The divisor can not be 0 ------ on 6 line
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 : 0


Total lines : 11

The symbol table :

ID        Type      Data
a         int       0
b         int       8
c         int       270



Generated: Assignment_3.j
```

JVM

```
0
0

Compile Failure!
Exist 5 errors
```