变量声明

type

- **int**：32位整数
- **float**：32位浮点数
- **bool**：布尔值

```
[type] [variable] ;
```

```
example,其中>>代表输入
>>int i1=1,i_2____321312=100;
>>int i5=31232+21312;
>>bool b1= i1 == i5;
>>bool b2= i1 !=i5;
>>float f1=1.002,f2=f1+133.0;
>>list;
---Variable List---

name: b1
value: false

name: b2
value: true

name: f1
value: 1.002

name: f2
value: 134.002

name: i1
value: 1

name: i5
value: 52544

name: i_2____321312
value: 100


----------
```

赋值语句

```
[variable] = [value] ;
```

```
example,其中>>代表输入
>>int __add_1_2___;
>>__add_1_2___=1+2;
>>print(__add_1_2___);
3
```

表达式计算

```
example,其中>>代表输入
>>(1 + 2) * 3 == 3 * (2 + 1) ;
true
```

类型检查

```
example,其中>>代表输入
>>int a = (1 + 2) * 3 == 3 * (2 + 1);
INFO: the type of variable a is int
INFO: the type of value is bool
Warning: type mismatch,the statement will be ignored
>>int a;
>>int a;
Warning: Variable a already exists,the statement will be ignored
>>a=true;
INFO: the type of variable a is int
INFO: the type of value is bool
Warning: type mismatch,the statement will be ignored
>>a+true;
Warning: Invalid operation: int + bool,the statement will be ignored
>>a==1;
false
```

其余报错

```
example,其中>>代表输入
>>b;
INFO: Variable: b
Warning: Variable b not found,the statement will be ignored
>>b=1;
Warning: the identifier b is not declared,the statement will be ignored
```