程序读取测试代码的输出：

File opened, start reading

Reserved word const

Reserved word int

Identifier false

Equal =

Number 0

Symbol ;

Reserved word const

Reserved word int

Identifier true

Equal =

Number 1

Symbol ;

Reserved word int

Identifier ints

Symbol [

Number 3

Symbol ]

Symbol ;

Reserved word int

Identifier a

Symbol ,

Identifier b

Symbol ;

Reserved word int

Identifier fib

Symbol (

Reserved word int

Identifier i

Symbol )

Symbol {

Reserved word if

Symbol (

Identifier i

Cmp <=

Number 1

Symbol )

Reserved word return

Number 1

Symbol ;

Reserved word else

Reserved word return

Identifier i

Symbol \*

Identifier fib

Symbol (

Identifier i

Symbol -

Number 1

Symbol )

Symbol ;

Symbol }

Reserved word void

Identifier add

Symbol (

Symbol )

Symbol {

Reserved word int

Identifier i

Symbol ;

Identifier i

Equal =

Number 2

Symbol ;

Reserved word do

Symbol {

Identifier ints

Symbol [

Number 0

Symbol ]

Equal =

Identifier ints

Symbol [

Number 0

Symbol ]

Symbol +

Identifier ints

Symbol [

Identifier i

Symbol ]

Symbol ;

Identifier i

Equal =

Identifier i

Symbol -

Number 1

Symbol ;

Symbol }

Reserved word while

Symbol (

Identifier i

Cmp >=

Number 1

Symbol )

Identifier printf

Symbol (

Identifier ints

Symbol [

Number 0

Symbol ]

Symbol )

Symbol ;

Symbol }

Reserved word void

Identifier calc

Symbol (

Symbol )

Symbol {

Reserved word const

Reserved word int

Identifier a

Equal =

Number 1

Symbol ;

Reserved word int

Identifier b

Symbol ;

Identifier b

Equal =

Symbol (

Symbol (

Identifier a

Symbol +

Identifier a

Symbol \*

Identifier a

Symbol )

Symbol /

Identifier a

Symbol )

Symbol +

Number 2

Symbol \*

Identifier a

Symbol ;

Identifier printf

Symbol (

Identifier fib

Symbol (

Identifier b

Symbol )

Symbol )

Symbol ;

Symbol }

Reserved word void

Identifier printChar

Symbol (

Reserved word char

Identifier c

Symbol )

Symbol {

Identifier c

Equal =

Identifier c

Symbol +

Number 1

Symbol ;

Identifier printf

Symbol (

Identifier c

Symbol )

Symbol ;

Symbol }

Reserved word void

Reserved word main

Symbol (

Symbol )

Symbol {

Identifier printf

Symbol (

String These are the first fibonscci numbers:

Symbol )

Symbol ;

Reserved word int

Identifier i

Symbol ;

Reserved word for

Symbol (

Identifier i

Equal =

Number 1

Symbol ;

Identifier i

Cmp <

Number 6

Symbol ;

Identifier i

Equal =

Identifier i

Symbol +

Number 1

Symbol )

Symbol {

Identifier printf

Symbol (

Identifier fib

Symbol (

Identifier i

Symbol )

Symbol )

Symbol ;

Symbol }

Identifier printf

Symbol (

String Enter three ints

Symbol )

Symbol ;

Reserved word int

Identifier int1

Symbol ,

Identifier int2

Symbol ,

Identifier int3

Symbol ;

Reserved word scanf

Symbol (

Identifier int1

Symbol ,

Identifier int2

Symbol ,

Identifier int3

Symbol )

Symbol ;

Identifier ints

Symbol [

Number 0

Symbol ]

Equal =

Identifier int1

Symbol ;

Identifier ints

Symbol [

Number 1

Symbol ]

Equal =

Identifier int2

Symbol ;

Identifier ints

Symbol [

Number 2

Symbol ]

Equal =

Identifier int3

Symbol ;

Identifier add

Symbol (

Symbol )

Symbol ;

Identifier calc

Symbol (

Symbol )

Symbol ;

Reserved word char

Identifier c

Symbol ;

Reserved word scanf

Symbol (

Identifier c

Symbol )

Symbol ;

Reserved word if

Symbol (

Identifier c

Cmp >=

Char f

Symbol )

Symbol {

Identifier printChar

Symbol (

Identifier c

Symbol )

Symbol ;

Symbol }

Reserved word else

Symbol {

Identifier printChar

Symbol (

Char f

Symbol )

Symbol ;

Symbol }

Symbol }

Done. Press any key to quit

经检验，输出符合预期结果。

在Lex.h中将getNextToken函数中的currentToken->print();修改为currentToken->printToTest();可获得更接近源程序的输出，方便比较。以下为结果：

File opened, start reading

const int false = 0 ; const int true = 1 ; int ints [ 3 ] ; int a , b ; int fib ( int i ) { if ( i <= 1 ) return 1 ; else return i \* fib ( i - 1 ) ; } void add ( ) { int i ; i = 2 ; do { ints [ 0 ] = ints [ 0 ] + ints [ i ] ; i = i - 1 ; } while ( i >= 1 ) printf ( ints [ 0 ] ) ; } void calc ( ) { const int a = 1 ; int b ; b = ( ( a + a \* a ) / a ) + 2 \* a ; printf ( fib ( b ) ) ; } void printChar ( char c ) { c = c + 1 ; printf ( c ) ; } void main ( ) { printf ( "These are the first fibonscci numbers:" ) ; int i ; for ( i = 1 ; i < 6 ; i = i + 1 ) { printf ( fib ( i ) ) ; } printf ( "Enter three ints" ) ; int int1 , int2 , int3 ; scanf ( int1 , int2 , int3 ) ; ints [ 0 ] = int1 ; ints [ 1 ] = int2 ; ints [ 2 ] = int3 ; add ( ) ; calc ( ) ; char c ; scanf ( c ) ; if ( c >= 'f' ) { printChar ( c ) ; } else { printChar ( 'f' ) ; } }

Done. Press any key to quit

各种单词类别、符号常量、保留字和关系符号见Const.h。输入文件名在Shared.h中定义。