

Seminar 2 - Scanning

Input: source code, token list (res. words, sep., op.)

Output: FIP, ST, lex. err. (if any)

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source.txt

```
program test;  
var a:integer;  
begin  
  a:= b+1;  
  c:= 'c';  
  s:= "new message"  
end.
```

PIF

token	ST_pos
program	-1
Id	0
;	-1
var	-1
Id	1
:	-1
Id	2
;	-1
begin	-1
Id	1
:=	-1

ld	3
+	-1
const	4
;	-1
id	5
:=	-1
const	6
;	-1
id	7
:=	-1
const	8
end	-1
.	-1

ST (only ids & consts)

ST_pos	symbol
0	test
1	a
2	integer
3	b
4	1

5	c
6	'c'
7	s
8	"new message"

Lexical errors ex:

1a – wrong identifier

"new message – missing "

\$ - unknown character

'cc' - wrong char const

05 – wrong int constant