

The class Scanner has:

```
* self.__reserved_word
* self.__operator
* self.__identifier
* self.__constant
* self.__separator
```

that are regex strings for matching their respective token

```
* self.__tokens = []
```

list of tokens

```
* self.__pif = []
* self.__sti = SymbolTable()
* self.__stc = SymbolTable()
```

pif is the program internal form a list of tuples (token, number)  
if token is reserved word or operator or separator number is -1 else  
is the position in which you find the token in ST

sti and stc are the symbol tables for identifiers and constants respectively

the only method of this class is

```
* def scan(filename)
```

that opens the file reads line by line and tokenizes lines into atoms, then for each atom

it tries to find its type and if it doesn't find it then it prints on stdout the lexical error

and if there's no lexical error then it prints "Lexically correct"