



Design of Compilers

Scanner User Guide

By:

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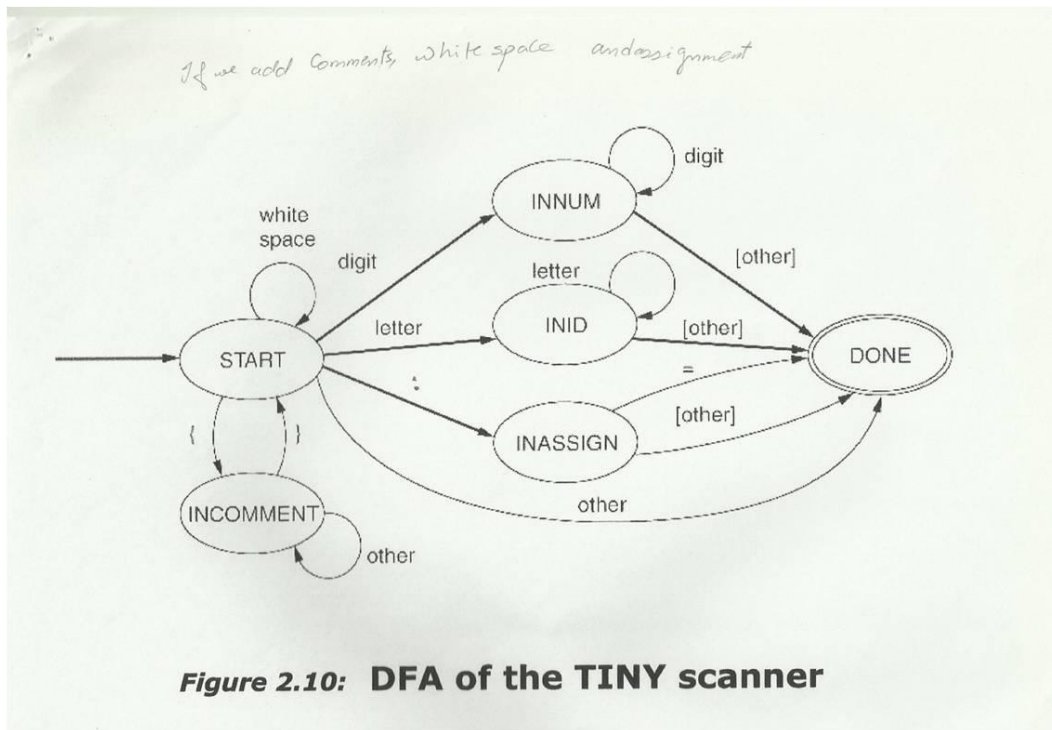
CESS pre-junior

Presented to:

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The scanner is implemented according to the following states:



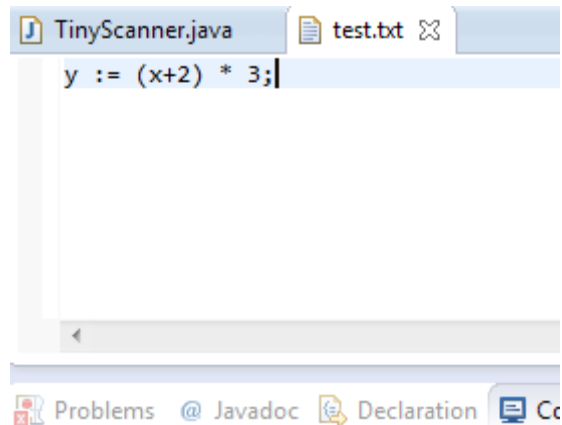
It reads from a text file called “test.txt” and then divides the characters into tokens.

Tokens are divided as follows:

0. Number
1. ID
2. Left Parenthesis
3. Right Parenthesis
4. Plus
5. Minus
6. Divide
7. Multiplication
8. Equal
9. Assignment
10. Error
11. SEMICOLON
12. SMALLERTHAN

20. IF
21. THEN
22. ELSE
23. END
24. REPEAT
25. UNTIL
26. READ
27. WRITE

Then it prints "Scanning is complete" if the scanning is done successfully.



```
<terminated> TinyScanner (1) [Java Application] C:  
Token: y Type: ID  
Token: := Type: Assignment  
Token: ( Type: Left Parenthesis  
Token: x Type: ID  
Token: + Type: Plus  
Token: 2 Type: Number  
Token: ) Type: Right Parenthesis  
Token: * Type: Multiplication  
Token: 3 Type: Number  
Token: ; Type: Semicolon  
*Scanning is complete*
```