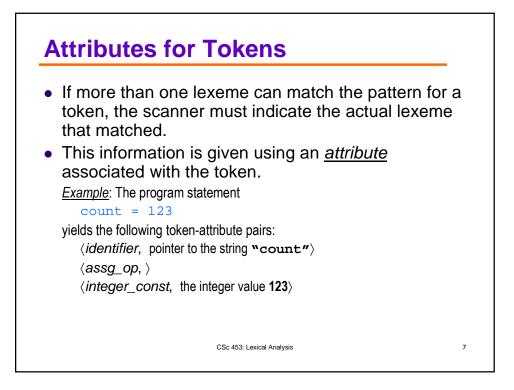
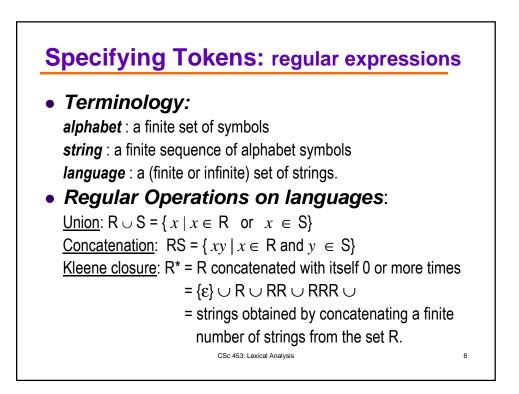
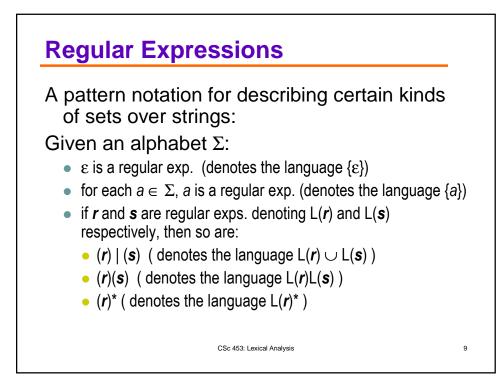
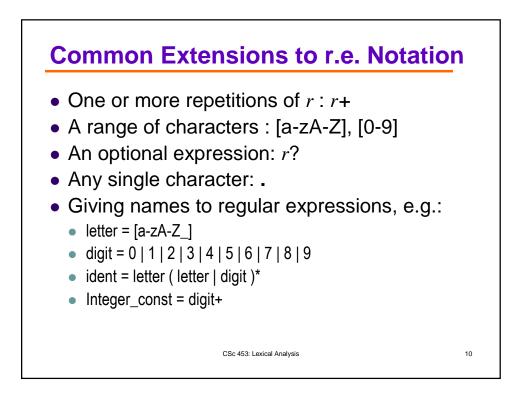


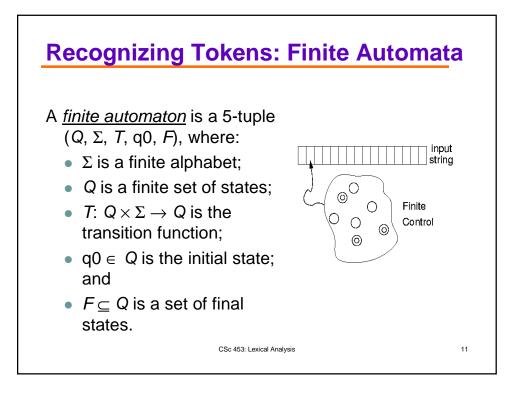
Examples	
<u>Input</u> count = 123	
<u>Tokens:</u>	
<i>identifier</i> : <u>Rule</u> : "letter followed by …"	
<u>Lexeme</u> : count	
assg_op : <u>Rule</u> : =	
<u>Lexeme</u> : =	
<i>integer_const</i> : <u>Rule</u> : "digit followed by …"	
<u>Lexeme</u> : 123	
CSc 453: Lexical Analysis	6

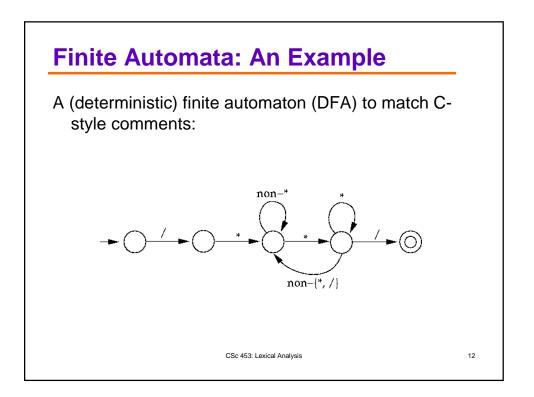


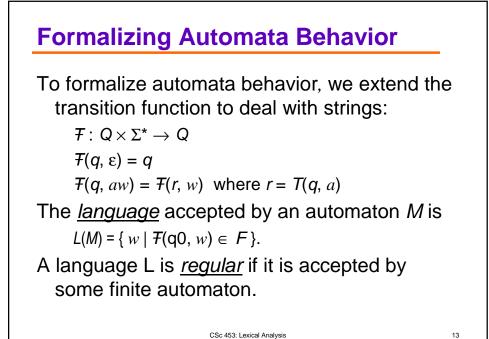


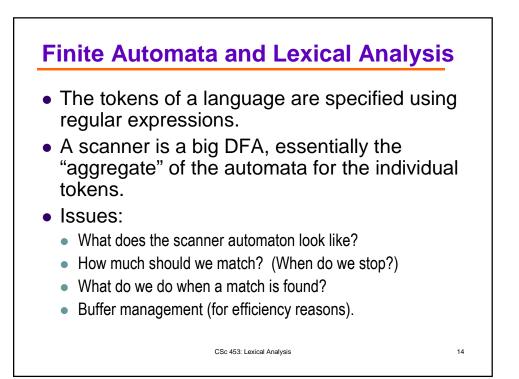


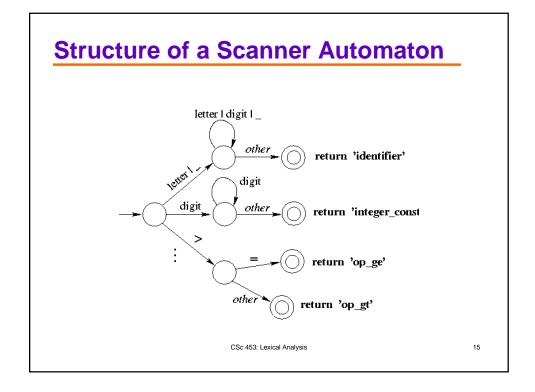


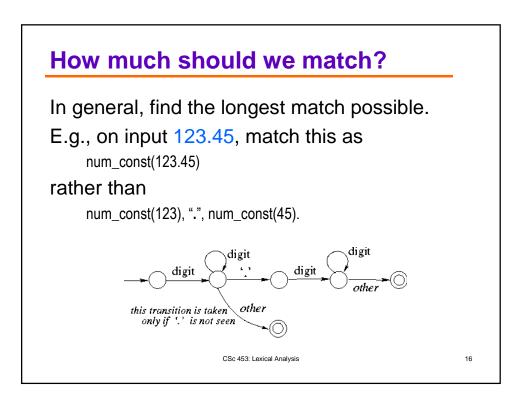


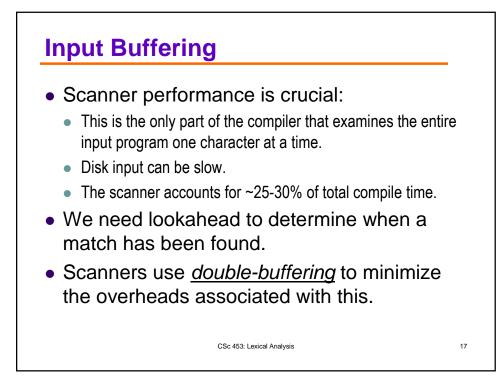


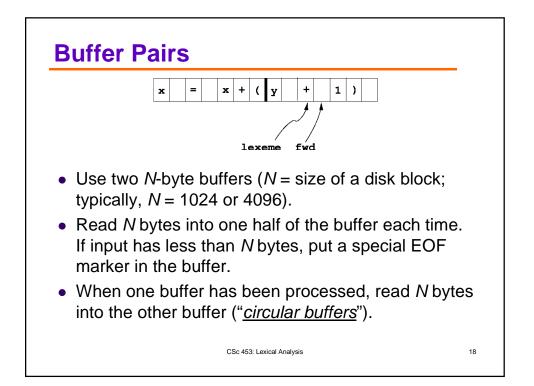


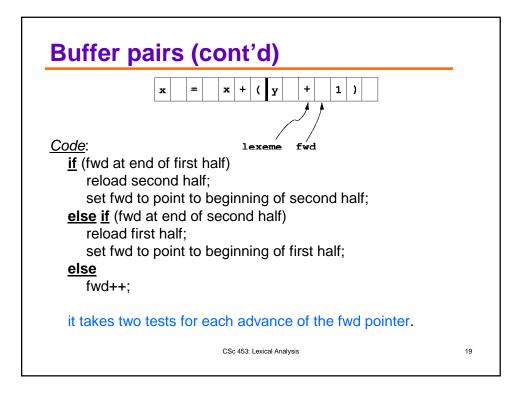


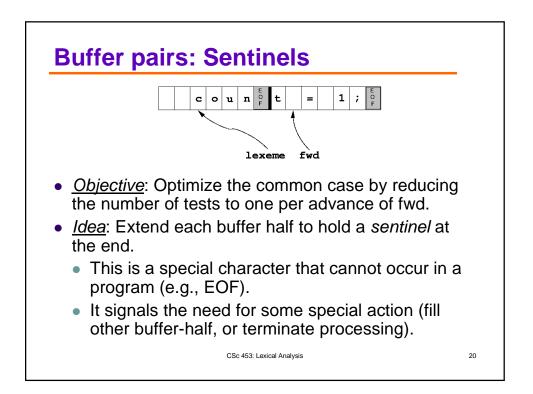


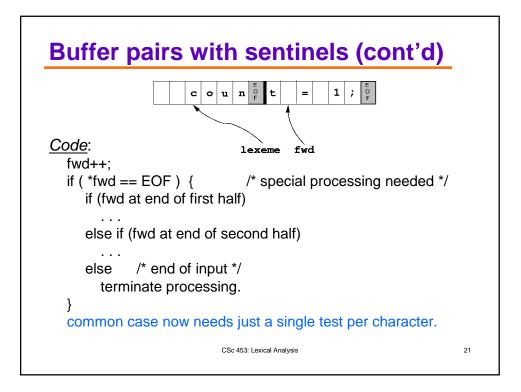


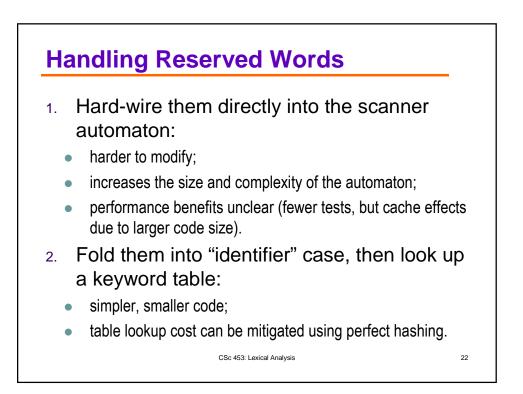


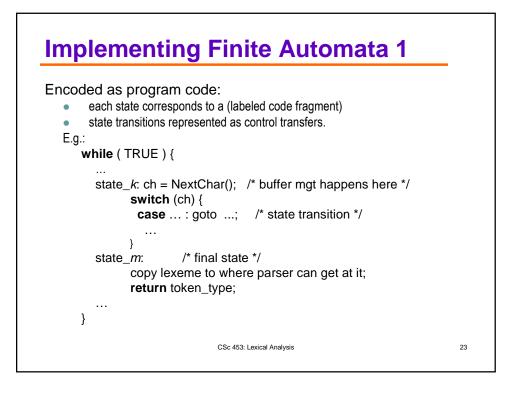


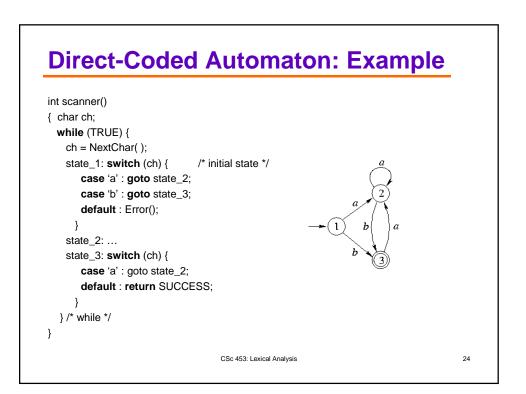


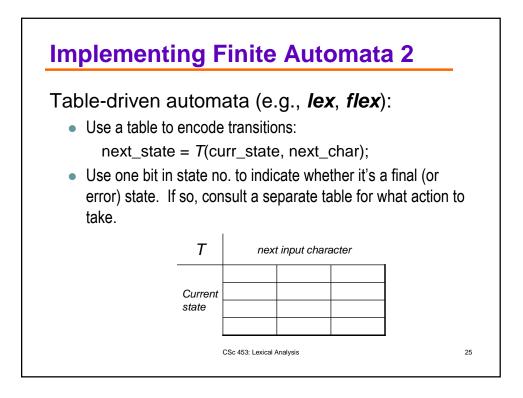


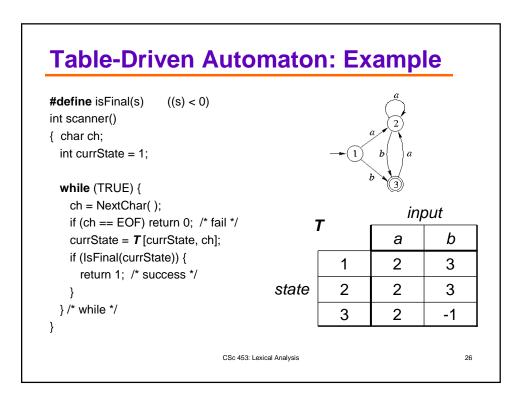














- A match is found when:
  - The current automaton state is a final state; and
  - No transition is enabled on the next input character.
- Actions on finding a match:
  - if appropriate, copy lexeme (or other token attribute) to where the parser can access it;
  - save any necessary scanner state so that scanning can subsequently resume at the right place;
  - return a value indicating the token found.

CSc 453: Lexical Analysis

27