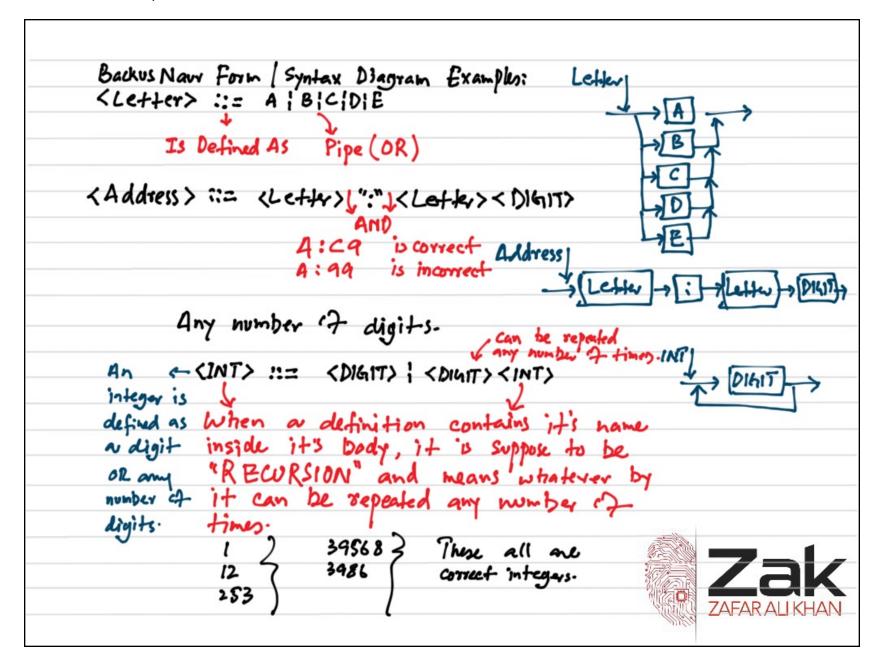
Syntax Analysis Backus Naur Form. Every single statement should be written according to the syntax of that particular programming congrage. It is duty of the particular compiler to make sure that written syntax is correct through the parsu's work of Backus Naur Form. larger receives tokens from leker as an output of lexical Analysis and as input for itself.

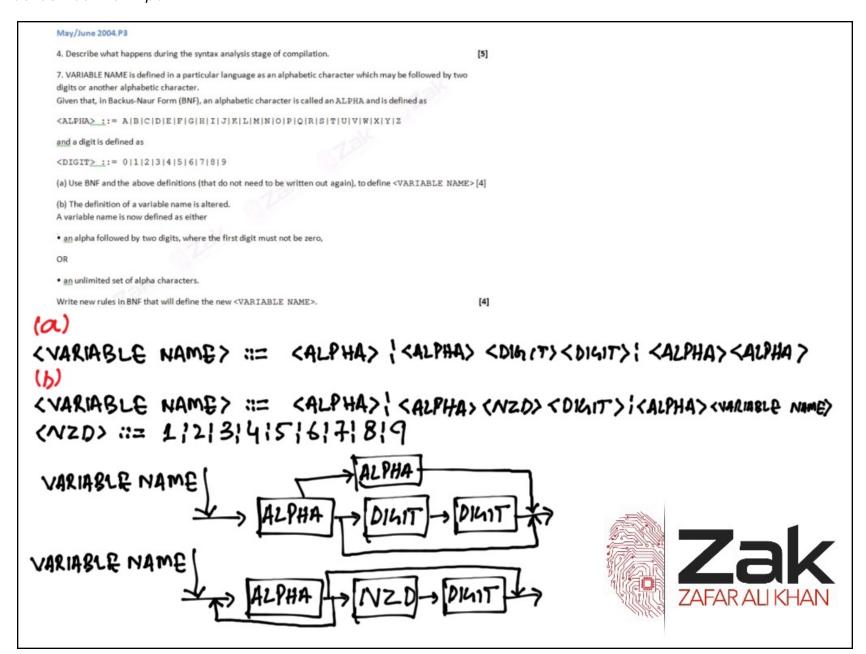
Expectations in CS9608 are to check a variable naming conventions b. Assignments, and constitution of literals.

Syntax Diagram

All litat can be prepresented in Backus Naus Form can also be represented using graphical syntax Diagrams.



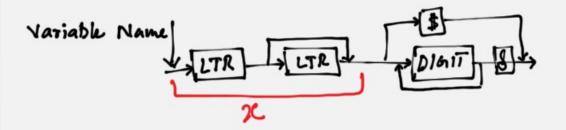




## 10. A variable name is defined in a particular system as:

- one or two letters, followed by
- any number of digits(including zero) followed by either a
  - \$ sign if there are no digits,
  - & sign if there are any digits.

Draw a syntax diagram which describes a variable name.



<variable name> ::= <>L> <y> "8" | <x> "\$"
<x> ::= <LTR> | <LTR> <LTR> <LTR> 

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