**For each of the following statements, indicate whether they are VALID or INVALID for the given grammar. If you choose INVALID, please state whether the error is LEXICAL or SYNTACTIC and explain why.**

* **x = 0;**INVALID – LEXICAL  
  ‘;’ is not a recognized token
* **VAR x = y \*\* 2**  
  VALID
* **VAR VAR = x/2**INVALID – SYNCTACTIC  
  ‘VAR’ is reserved for declaring a variable
* **VAR x = VAR y = 3**INVALID – SYNCTACTIC  
  A variable declaration cannot itself include a variable declaration
* **x = "string" + "123"**INVALID – LEXICAL  
  By the rules of the string types in the previous module, strings may only include upper or lower-case characters, periods, or spaces so “123” is not a valid string
* **"VAR" X = "str"**INVALID – SYNCTACTIC  
  A line may only start with a string in a binop where it is added to another string
* **i = (2\*2)\*\*3**INVALID – LEXICAL  
  ‘(‘ and ‘)’ are not recognized characters
* **VAR x = 1 + 2 \* 3 / 5 \*\*6**VALID
* **VAR x = 1 + 2 \* 3 / 5 \*\*6 = y**INVALID – SYNTACTIC  
  The ‘=’ character cannot be used in the operation
* **x=1\*2/3\*\*4**VALID