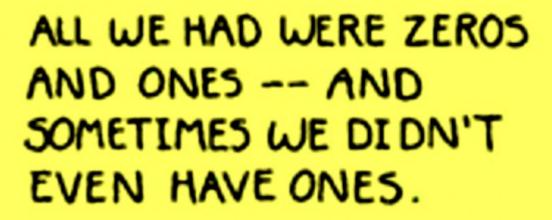
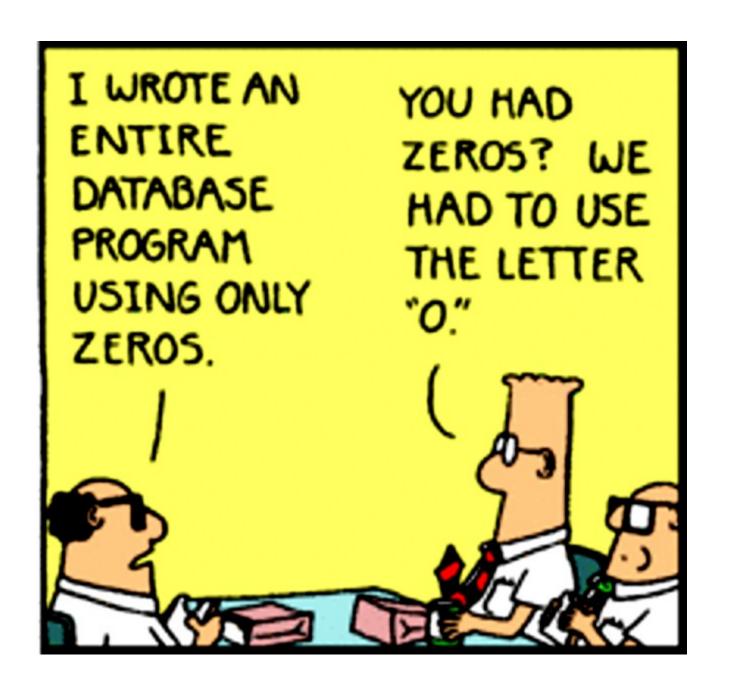
# A computer only understands its own machine language.

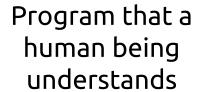


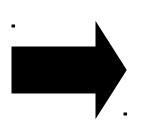




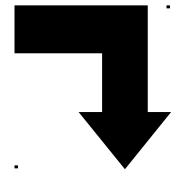








Program written in Language X



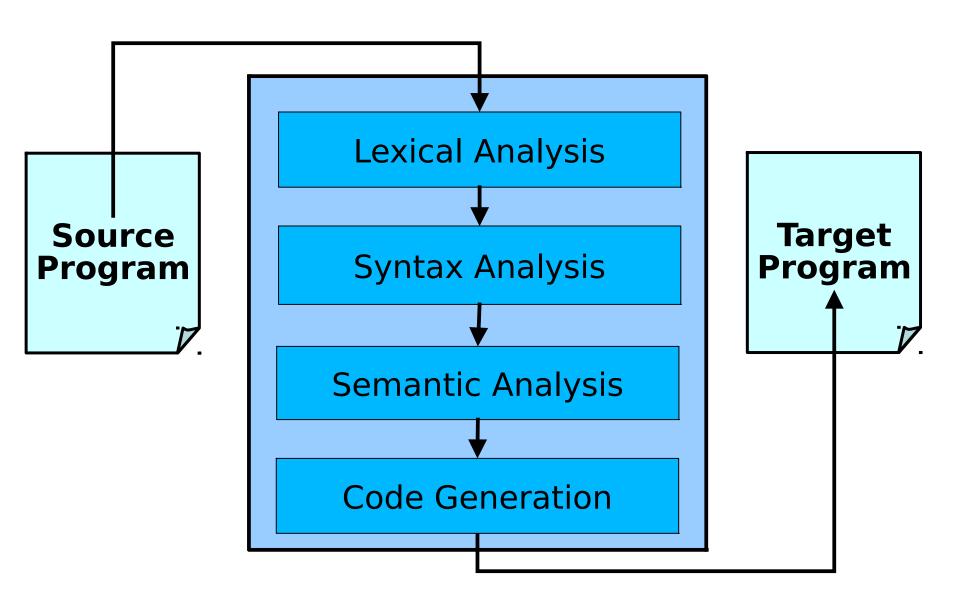




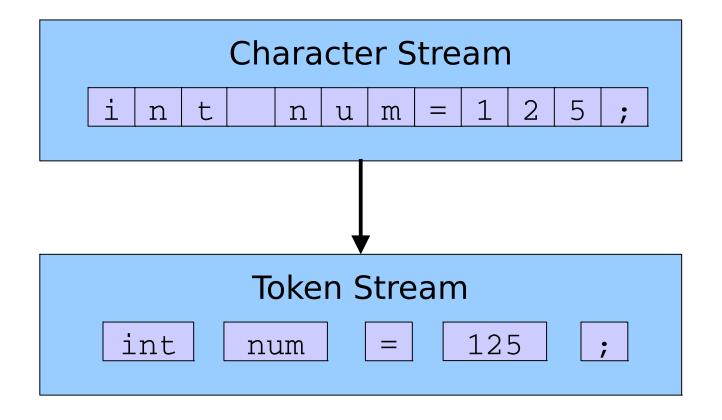
Program that a computer understands

Translator for Language X

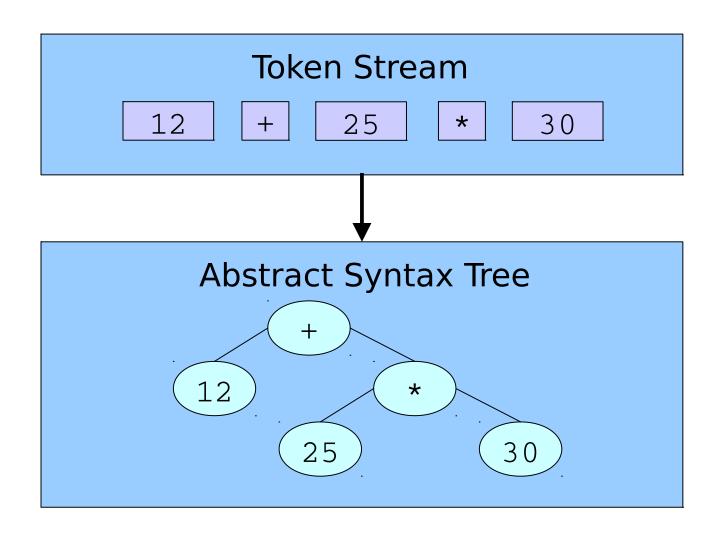
#### **Translation Phases**



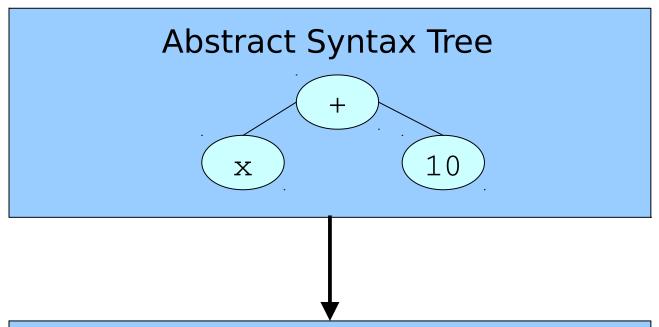
## **Lexical Analysis**



# **Syntax Analysis**



### **Semantic Analysis**



#### **Check that:**

- Variable "x" has been declared.
- The type of the operands and the + operator should be numeric.

#### **Code Generation**

