* Target Language will be Python.
* Valid Statements:
  + Operators:
    - Add(a,b): a+b
    - Sub(a,b): a-b
    - Div(a,b) : a/b
    - Mult(a,b): a\*b
    - Mod(a,b):a%b
    - And(a,b): a and b
    - Or(a,b): a or b
    - Not(a): not a
    - Gt(a,b): a > b
    - Lt(a,b): a<b
    - Gte(a,b) a >= b
    - Lte(a,b) a<= b
    - Eq(a,b) a = b
  + Variable assignments for ints, strings and bools:
    - a is 9.
    - b is “Some String”.
    - t is false/true.
  + Integer expressions:
    - a is add(1,2).
    - b is sub(2,3).
    - c is div(a,b).
    - g is mod(a,b).
    - b is <op>(<val,var,expr>,<val,var,expr>).
  + Bool expressions.
    - x is or(a,b)
    - b is not(<boolVal,<var>).
    - d is and(a,not(b)).
    - a is gt(a,b)
  + Conditional blocks:
    - If (<expr>){<code>} else {<code>}
    - While(<expr>{while(<expr>){<code>}}
* Sample program:

A is 6

B is 8

C is “string”

If (gt(a,b)){c is “a is greater than b”}

else{c is “b is greater than a”}

* Sample Grammer:

Questions:

Summary of work done so far.

* Gurvir Dhillon: Contribute ideas for initial design.
* Jonathan Nash: Contribute ideas for initial design.
* Swarn Phore : Contribute ideas for initial design BNF form draft.
* Garrett Scott: Contribute ideas for initial design, Set up git repo group.