#include <iostream>

using namespace std;

int main (){

int i, temp;

int location\_counter = 1;

string statement;

cout << "Enter the statement:";

//cin >> statement;

getline (cin, statement);

cout << "The entered statement was:" << statement << endl;

if (statement[0] == '0' || statement[0] == '1' || ...)

//print that there is a lexical error here

//write a return 0 statement

else

//print <id,

//print location\_counter

//print >

for (i = 1; i < statement.length (); i++){

if (statement[i] == '='){

// write a break statement here

}

}

//print <=>

temp = i;

if (statement[temp + 1] == '0' || statement[temp + 1] == '1' || ...)

//print that there is a lexical error here

//write a return 0 statement

else

//increment location\_counter

//print <id,

//print location\_counter>

for (i = temp + 2; i < statement.length (); i++){

if (statement[i] == '+'){

// write a break statement here

}

}

//print <+>

temp = i;

if (statement[temp + 1] == '0' || statement[temp + 1] == '1' || ...)

//print that there is a lexical error here

//write a return 0 statement

else

//increment location\_counter

//print <id,

//print location\_counter>

for (i = temp + 2; i < statement.length (); i++){

if (statement[i] == ';'){

// write a break statement here

}

}

//print <;>

return 0;

}