TERM PROJECT REPORT

Student;

Name: Yusuf

Surname: Güngör

S_ID : 20170703099-71

Result

I managed to convert all python codes to c++ codes and it's works with all desired conditions.

General idea of my algorithm

I accept the 2 type of command

Tab command

|

command

In lex codes I count the number of TAB that used in a single line command. When the yacc found a if, else if or else text, I increment the usable tab number 1. Therefore, if usable tab number is less than the tab number that used in code, yacc gives an error.

For if else priority I used a boolean variable and if a IF statement open I change this variable to true and if the input codes are not equal to usabletab variable program gives error message

To manage variables I used two map and one of this map, I stored all variables in a list according to their types so I could print the type of them in c++ code. On the other one I stored actual type of variables. For example x="yusuf", in the first map variable stored in string list, in second map it is stored as type string, and if a code come like x=5 I stored int list in 1'st map but it's type changed in 2'nd map. So I could manage conditions likewise.