**Assign 1** : To extend the file from Lab 2 & 3 to handle validation of :

for loop(eg: for(i = 0, j=10; (i<n || j < i), i++,j--)),

do-while loop,

initialization within declaration(eg: int a=5, b, c=10; ),

array declarations(eg: int a[2]; int a[2][3]; int

a[2][3][4][5]; int a[2][3], b[4]; )

logical expressions(||, &&, true, false, !),

unary operators : (-, ++, --)

Update the symbol table with the value of a variable. Perform necessary error checking such as : Variable not declared error, mismatch types in expression and

display relevant error messages.