



# Languages and Compilers Project

Team: 13

## Workload:

Abdelrahman Hashim	Ehab Rabie	Israa Ashraf	Sara Ahmed
Semantic Errors Quadruples: Switch	Parser	Lexer Quadruples: If- stmt	Symbol Table Quadruples

PS: we have also implemented an interpreter version

## Quadruples Description:

Example	Description
MOV x 1	Store value 1 in variable x
ADD flag2 flag res1	Adding values stored in flag2 and flag then store the value in res1
NOT flag res3	Inverting the value stored in flag and store the result in res3
JZ L003	Based on the previous condition. If the flag bit = 0 jump to the label L003
JE L003	Based on the previous condition. If the flag bit = 1 jump to the label L003

## File naming:

Input code file: "test1.txt"  
Quadruples file: "out1.txt"  
Symbol table file: "symboltableout1.txt"  
Errors file: "error3.txt"