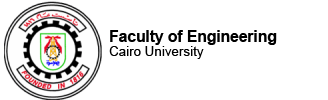
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**Languages and Compilers Project**

**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”