

CMSC 124 Design and Implementation of Programming Languages
Project Requirements 1
Regular Expressions

**SECTION
B-3L**

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LITERALS

| PL Element | Regular Expression |
|-----------------|-------------------------------|
| Integer Literal | \d+ |
| Macros | ^(@I\sLIED) (@NO\sPROBLEMO)\$ |
| String Literal | ^"(\\d . \s)+"\$ |

IDENTIFIERS

| PL Element | Regular Expression |
|--------------------------|--------------------------|
| Variable Name Identifier | ^[a-zA-Z][a-zA-Z0-9_]*\$ |
| Function Name Identifier | ^[a-zA-Z][a-zA-Z0-9_]*\$ |

KEYWORDS

| PL Element | Regular Expression |
|---|--|
| IT'S SHOWTIME | ^\s*IT'S\sSHOWTIME\s*\$ |
| YOU HAVE BEEN TERMINATED | ^\s*YOU\sHAVE\sBEEN\sTERMINATED\s*\$ |
| HEY CHRISTMAS TREE | ^\s*HEY\sCHRISTMAS\sTREE\s*\$ |
| YOU SET US UP | ^\s*YOU\sSET\sUS\sUP\s*\$ |
| GET TO THE CHOPPER | ^\s*GET\sTO\sTHE\sCHOPPER\s*\$ |
| HERE IS MY INVITATION | ^\s*HERE\sIS\sMY\sINVITATION\s*\$ |
| ENOUGH TALK | ^\s*ENOUGH\sTALK\s*\$ |
| GET UP | ^\s*GET\sUP\s*\$ |
| GET DOWN | ^\s*GET\sDOWN\s*\$ |
| YOU'RE FIRED | ^\s*YOU'RE\sFIRED\s*\$ |
| HE HAD TO SPLIT | ^\s*HE\sHAD\sTO\sSPLIT\s*\$ |
| YOU ARE NOT YOU YOU ARE ME | ^\s*YOU\sARE\sNOT\sYOU\sYOU\sARE\sME\s*\$ |
| LET OFF SOME STEAM BENNET | ^\s*LET\sOFF\sSOME\sSTEAM\sBENNET\s*\$ |
| CONSIDER THAT A DIVORCE | ^\s*CONSIDER\sTHAT\sA\sDIVORCE\s*\$ |
| KNOCK KNOCK | ^\s*KNOCK\sKNOCK\s*\$ |
| TALK TO THE HAND | ^\s*TALK\sTO\sTHE\sHAND\s*\$ |
| GET YOUR ASS TO MARS | ^\s*GET\sYOUR\sASS\sTO\sMARS\s*\$ |
| DO IT NOW | ^\s*DO\sIT\sNOW\s*\$ |
| I WANT TO ASK YOU A BUNCH OF QUESTIONS AND I WANT TO HAVE THEM ANSWERED IMMEDIATELY | ^\s*I\sWANT\sTO\sASK\sYOU\sA\sBUNCH\sOF\sQUESTIONS\sAND\sI\sWANT\sTO\sHAVE\sTHEM\sANSWERED\sIMMEDIATELY\s*\$ |
| BULLSHIT | ^\s*BULLSHIT\s*\$ |
| BECAUSE I'M GOING TO SAY PLEASE | ^\s*BECAUSE\sI'M\sGOING\sTO\sSAY\sPLEASE\s*\$ |
| YOU HAVE NO RESPECT FOR LOGIC | ^\s*YOU\sHAVE\sNO\sRESPECT\sFOR\sLOGIC\s*\$ |
| STICK AROUND | ^\s*STICK\sAROUND\s*\$ |
| CHILL | ^\s*CHILL\s*\$ |