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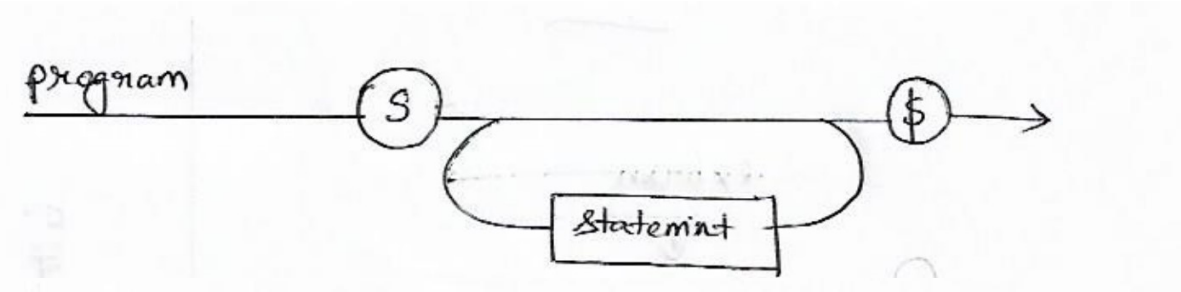
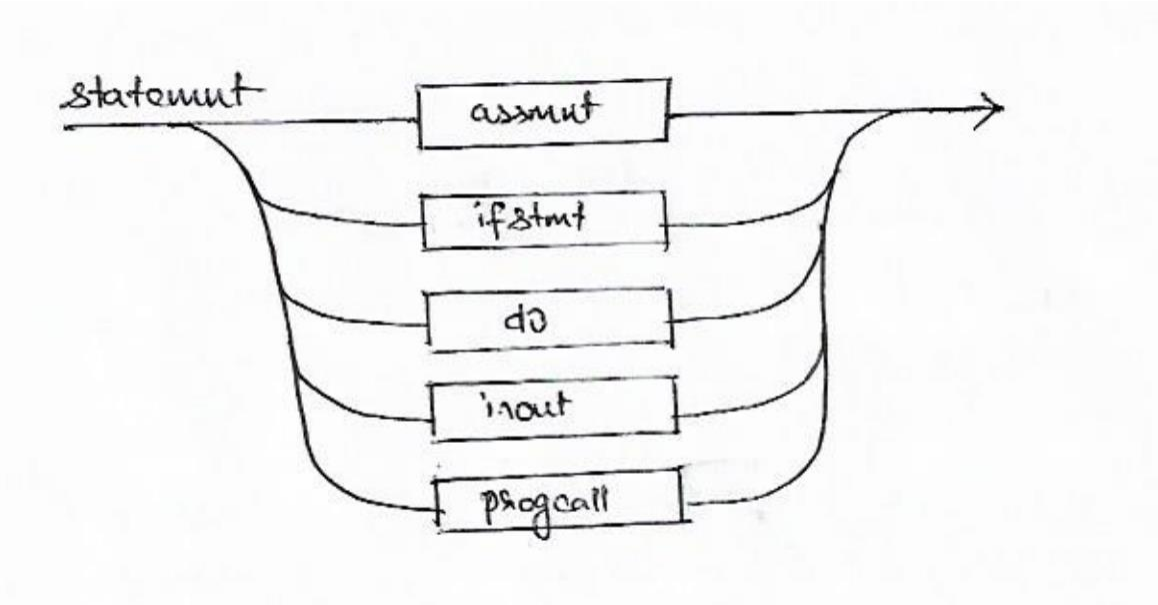
Instructor, Scott Gordon
Csc 135, #2
2/27/2019

Programming Assignment #1 (Syntax Diagrams)

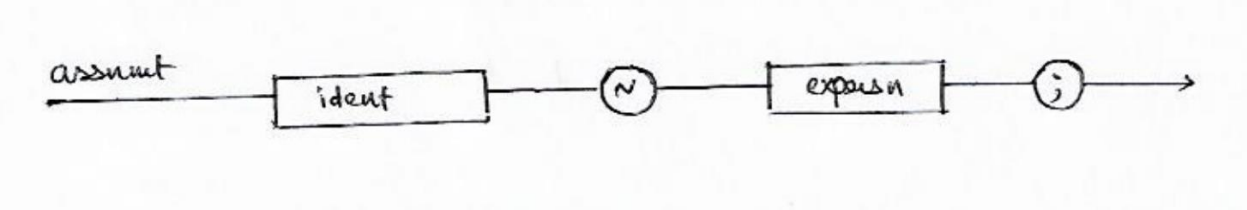
1. `program ::= S {statemt}`



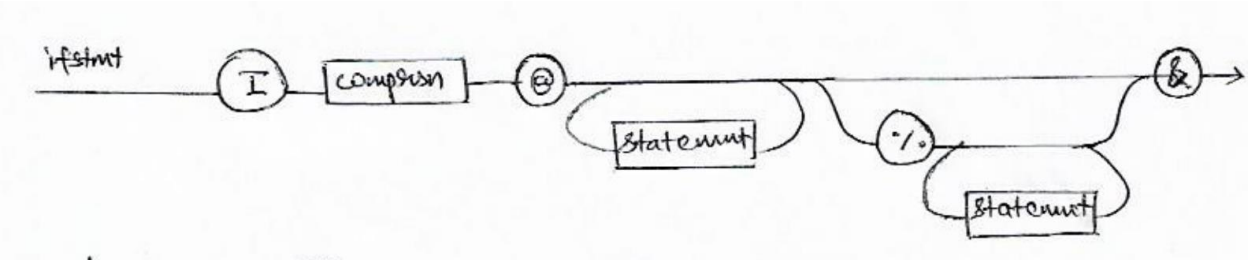
2. `statemt ::= assnmt | ifstmt | do | inout | progcall`



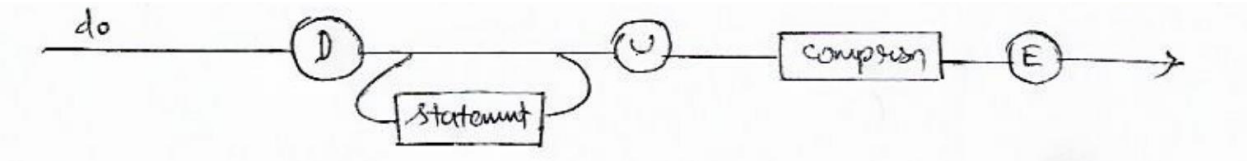
3. `assnmt ::= ident ~ exprsn ;`



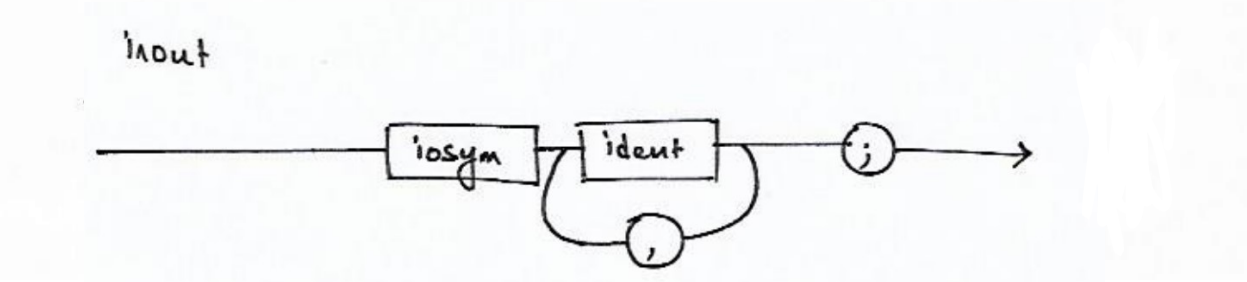
4. ifstmt ::= I comprsn @ {statemt} [% {statemt}] &



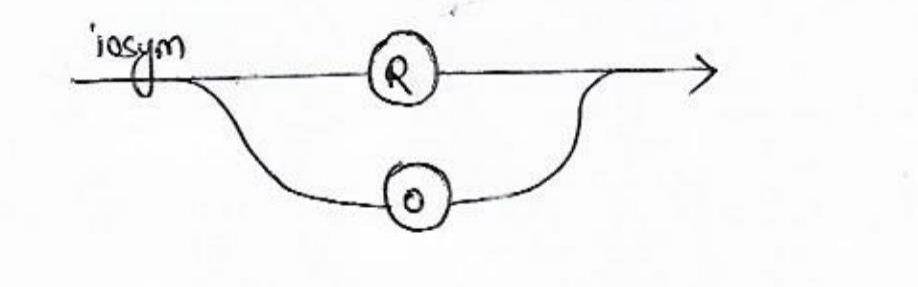
5. do ::= D {statemt} U comprsn E



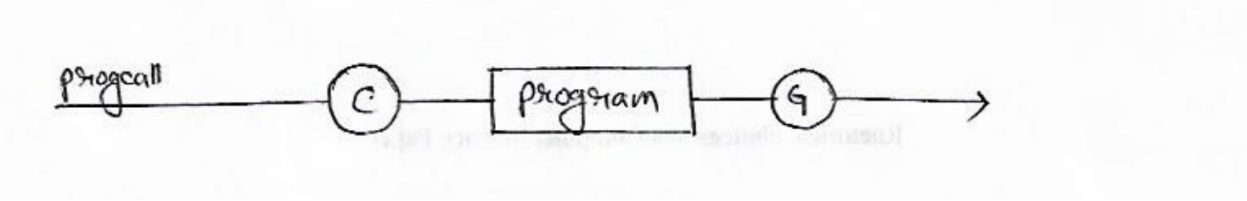
6. inout ::= iosym ident {, ident } ;



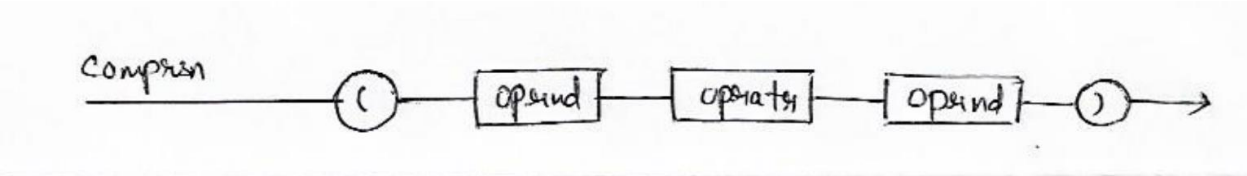
7. iosym ::= R | O



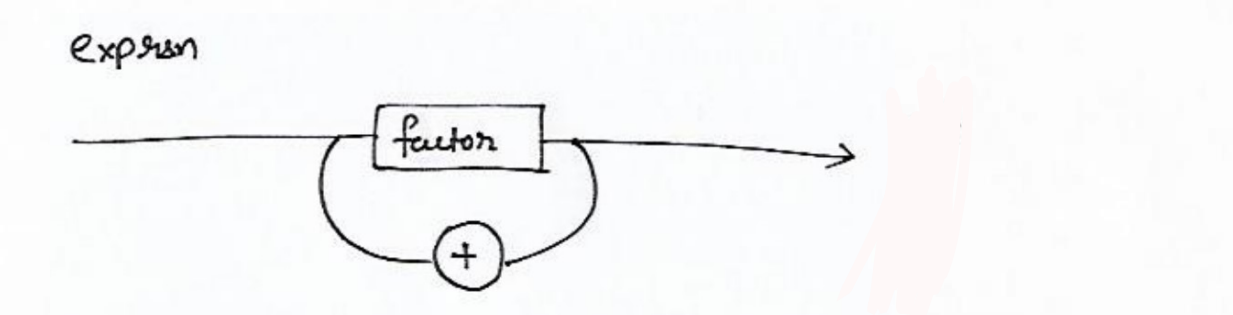
8. progcall ::= C program G



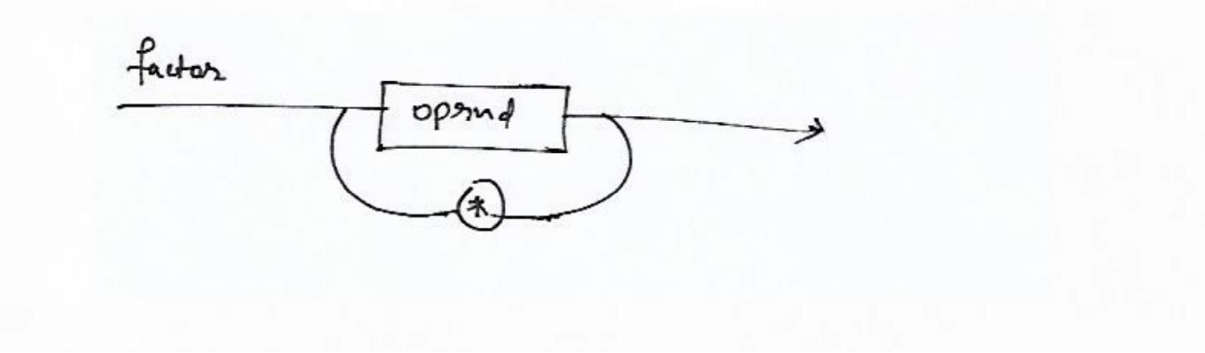
9. comprsn ::= (oprnd opratr oprnd)



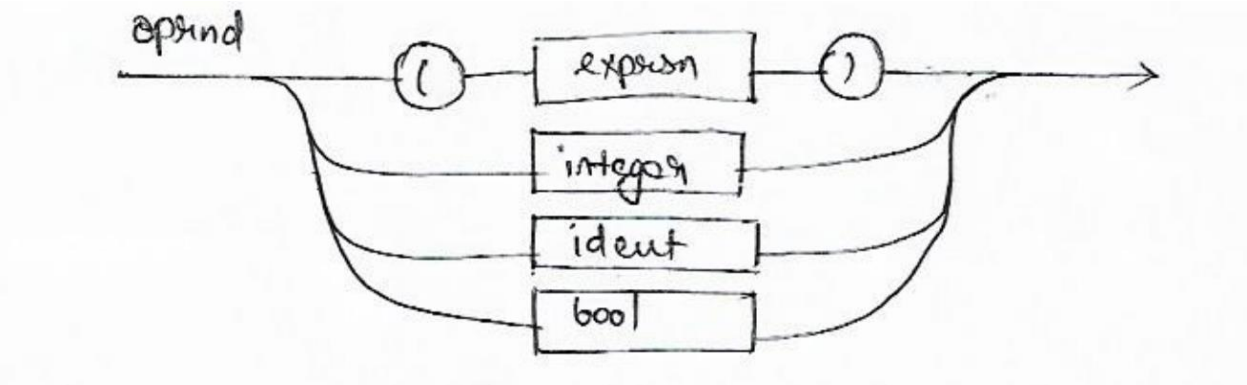
10. exprsn ::= factor {+ factor}



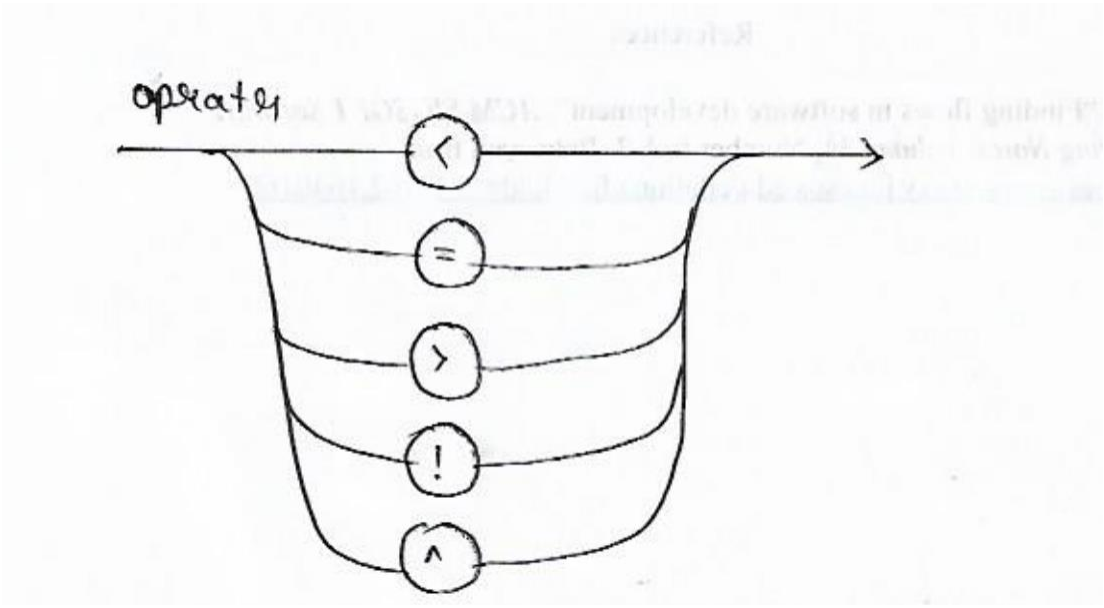
11. factor ::= oprnd {* oprnd}



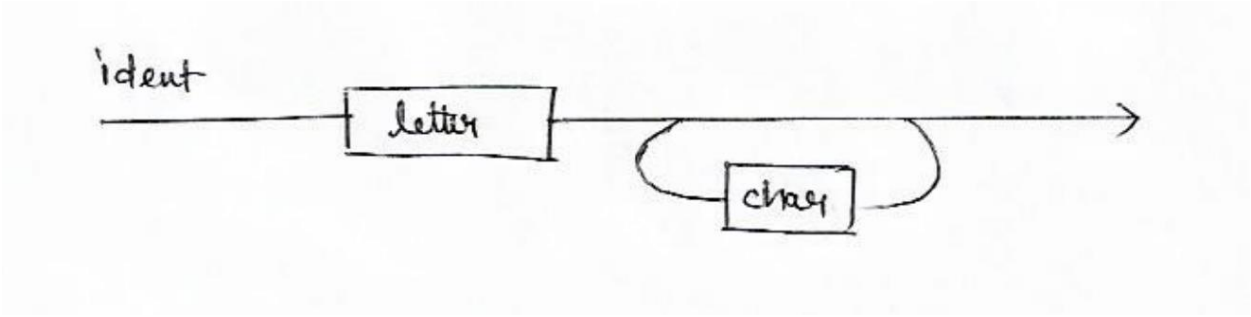
12. oprnd ::= integer | ident | bool | (exprsn)



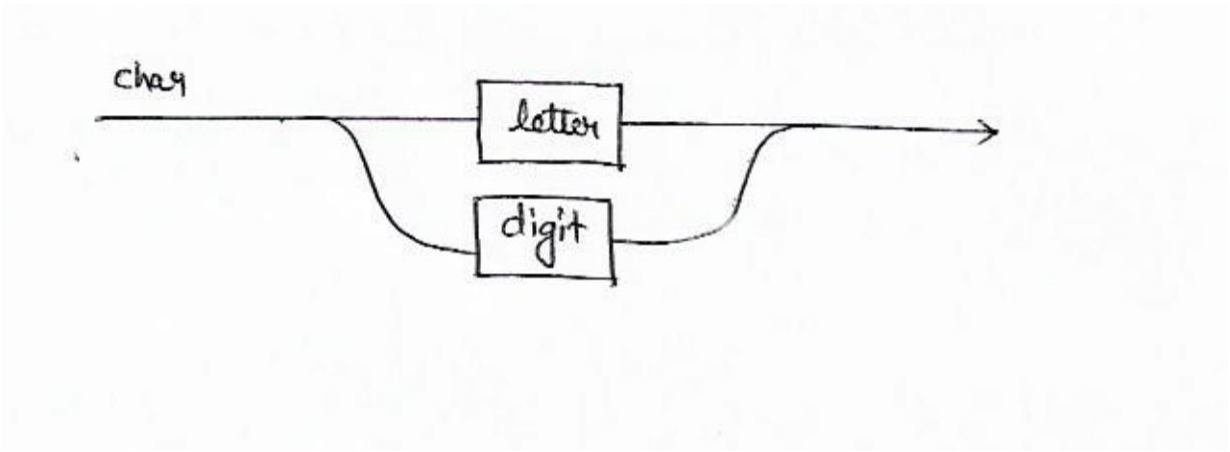
13. opratr ::= < | = | > | ! | ^



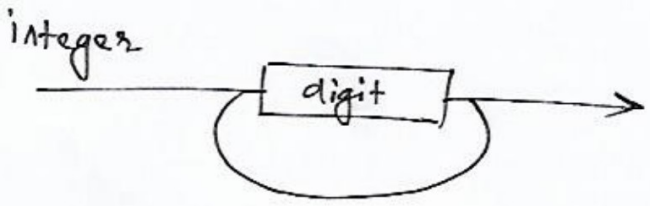
14. ident ::= letter {char}



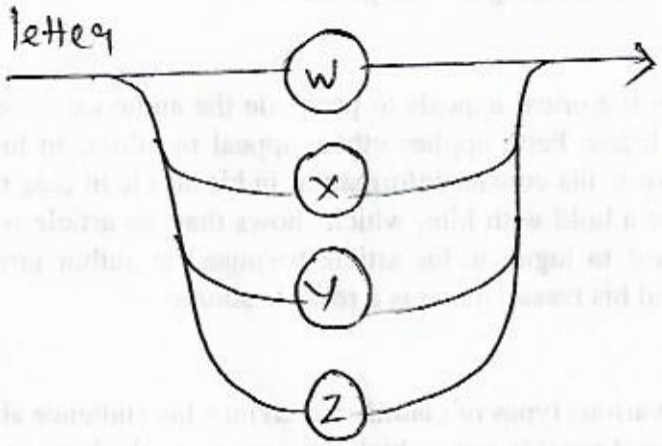
15. char ::= letter | digit



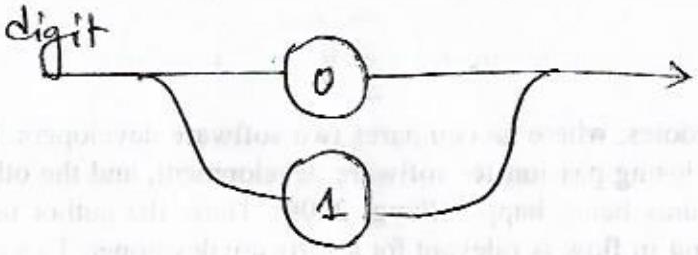
16. integer ::= digit {digit}



17. letter ::= W | X | Y | Z



18. digit ::= 0 | 1



20. bool ::= T | F