



So:- Comment has not begun

Si:- / detected, it might be a comment

S2:- Comment initialisation.

S3:- \* detected after initialisation of comment

S4:- Comment complete

S5:- Not a comment.

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2)
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```
void of-strut () {
  if ( < next_token > ! = < iq - code > ) { error () ; }
 else {
    lex();
    y (next_token != left-parent) {error (); }
     else f
     lex ();
     boolexpr();
     if (next-token! = right-parent) ferror (); }
     else {
      lex();
     statement();
     if (next_tokum = = Else-code) f
         lex();
         Statement ();
```

(3) There are 35 tokens in the given code D'identifier 'main' 18) semi 'j' y 1-poren '(' 19) identifier 'v' 3) r-paren '1' 20) equal '= ' 4) 1- brace 's' 21) amp ' ‡' 5) "ut 'unt' 20) identifier 's' star '\*' 23) semi ',' () 3) identifier 'u' 24) identifice point f 25) 1-paren 'C' comma ', ' 8) 26) string-liferal "%d1.d" star \* 27) Comma ',' dentifier 'v' 28) identifier 's' comma ', ' 11) 29) comma ',' 12 identifier s' 30) star '#' 31) "identifier 'u' 3) semi '; ' 32) 8 - paren ")" (4) i dentifier 'u' 33) semi ';" 15) equal '=' 34) r\_brace '3' amp 't' 16) 35) eof " identifier 's' 17)