```
is it clear: 11
                                                      Feb. 27/17
   2510 : Lecture 17 |
         goto typical use:
           put error-handling code at the end of a function.
              When there's an error, goto that specific section of code.
                void f (...) {
                   if (...)
                     goto error;
       D ternary operator
                int max = a > b ? a : b;
statement
          examples on SIMPLIFYING CODE.
               int is-valid_score (int n) {
                 if (0<=n &&n <= 100)
                     return 1;
                 else
                                               SIMPLEST
                      return 0;
                                                int is_valid_score (int n) {
                                                 return & <= n b& n <= 100;
              int is_valid_score (int n) {
                                                     this already returns
                if ($ <= n & & n <= 100)
                                                       true or false
                   return 1;
                return 0;
             int is-valid-score (int n) {
               return Ø <= n & & n <= 100 ? 1 : Ø;
```

... Lecture 17 this is the correct Precedence + Associativity Version : * has higher precedence 4 determines how we group terms REFERTO a + b * c Is this the same as (a+b)*c or (a+(b*c)) Albert's Precedence Table c = getchar ()! = EOF ! = has HIGHER precedence than = c = qetchar()! = EOF = c = (getchar()! = EOF)a+b+c look @associative -> a - b + c + and - have same precedence but associate LEFT to RIGHT ∴ $a - b + c \equiv (a - b) + c$ associate! * p++ Is this: * (p++) or (*p)++? but associate RIGHT to LEFT :. * p++ = * (p++) D Order of Evaluation In many cases, C does not specify the order of evaluation = eq. void f (int m, int n); the order of int q (int); evaluations of the arguments int h (int); to a function is f(q(1), h(2)); Is gorh called first?? unspecified > THIS IS NOT SPECIFIED BY CLIBRARY would give int n=1; different f (++n, n++); value of this expression is unspecified answers based on compilers DANGEROUS? OK. In general, you shouldn't try to modify the same variable more than once in an expression: [int n=++n++;

... Lecture 17

Cont ...

Some cases where the order of evaluations is specified:

· Examples

printf ("%d %d %d \n" a, b, c);

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