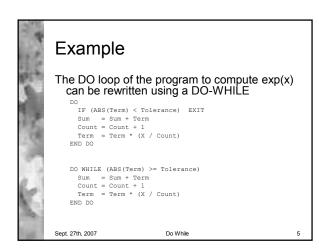


DO-WHILE DO-WHILE loops are equivalent to DO IF .NOT. (logical expression) EXIT statement block s END DO



Warning!

Sept. 27th, 2007

- The loop only executes if the logical expression evaluates to .TRUE.
- If the value of this expression doesn't change, we will get an infinite loop
- The values of variables that the logical expression depends on must be modified within the loop
- (It still might not terminate, but at least we have a chance)

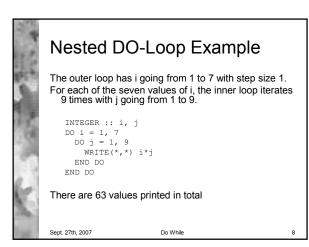
Do While

Nested DO-Loops

Sept. 27th, 2007

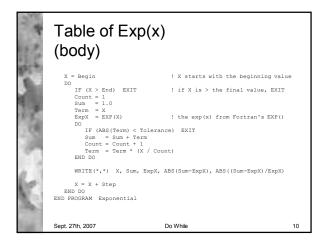
- A DO-loop can contain other DO-loops in its body.
- This nested DO-loop, must be completely inside the containing DOloop.
- Note that an EXIT statement transfers control out of the inner-most DO-loop that contains the EXIT statement.

Do While

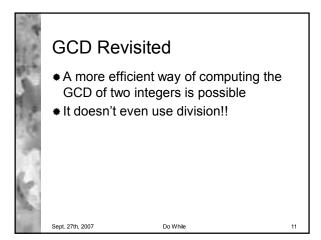


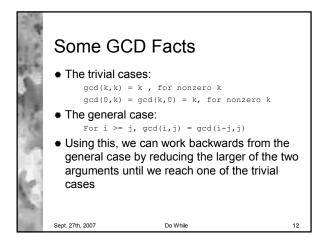
「ちょうで	Table of Exp(x) (preamble)		
5	! Infinite Series exp	tes exp(x) for a range of values of x using the pansion of exp(x) jinning value, final value and step size.	
. Jan	REAL : REAL :	:Term Sum :X ExpX Begin, End, Step Tolerance = 0.00001	
2	WRITE(*,*) "Init: READ(*,*) Begin	ial, Final and Step please> " , End, Step	
100	Sept. 27th, 2007	Do While	9













	A GCD Program			
the star	INTEGER :: I, J, G DO WHILE (I /= 0 .and. J /= 0 .and. I / IF (I>J) THEN I = I - J ELSE J = J - I END IF END DO	′= J)		
K	IF (I == 0) THEN G = J ELSE G = I END IF			
S July 1	Sept. 27th, 2007 Do While		13	



いたので	Verifying ISBN Numbers			
	<pre>program isbn implicit none integer :: digi integer :: pos, logical :: vali READ (*,"(1011)</pre>	sum		
100	<pre>sum = 0 do pos = 1,10 sum = sum - end do valid = mod(sum if (valid) then</pre>			
6	else	"ISBN is valid" "ISBN is invalid"		
1	Sept. 27th, 2007	Do While	1-	