

## DO - WHILE

A DO construct may be headed with a DO WHILE statement:

**DO WHILE (logical-expr)**

**block**

**END DO**

} a logical reason for continuing looping.

### EX:

**PROGRAM fibonacci**

**implicit none**

**integer:: a,b,f**

**a=1**

**b=1**

**f=2**

**do while (f <=100)**

**a=b**

**b=f**

**f=a+b**

**print\*,f**

**end do**

**END PROGRAM fibonacci:**

$$! F_{i+1} = F_i + F_{i+1}$$