

## Initializing Arrays:

An array **A** is declared : **integer, Dimension (5) :: A**

it may be initialized using an **array constructor** ( data statement):

**A= (/ 10, 20, 12, -2, 0/ )**

**EX:** if B (50) vector and its elements values are to be set to 1,2,3,4,,.....50. the array constructor

**B= (/ ( i, i = 1,50) / )      →   (/1,2,3,4,5....50/)**

**EX:** **A= (/ 5,8,(2\*i, i=1,6), 10,-3 /)      →   (/5,8,2,4, 6, 8, 10 , 12,10,-3/)**

program construct

integer :: i

real:: A(10)

A= (/ 5,8,(2\*i,i=1,6), 10,-3 /)

print\*,(A(i),i=1,10)

end program construct