**program** Pascal Triangle

**procedure** Initialisation

**for** i := 0 to size do

**for** j := 0 to size do

**set** triangle[i,j] **to** 0

**procedure** Input\_Parameter

input n

check if n is >=12

**procedure** Find\_Factorial(x ,**var** x\_fact)

**set** x\_fact **to** 1

**if** x! > 0

then for i := x downto 1 do

x\_fact := x\_fact \* i

**procedure** Find\_nCr(n,r;**var** nCr)

find n!

find r!

find n-r!

find nCr(n!/(n-r!)r!)

occupy 4 slots

**procedure** Display\_Pascal\_Triangle(x)

**for** i := 0 **to** x **do**

add spaces before each row of triangle

**for** j := 0 **to** i **do**

display all nCr

writeln('Do you want to continue? (Y or N)')

readln(option)

{Main Program}

**repeat**

Initialisation

Input\_Parameter

Display\_Pascal\_Triangle(n)

**until** (option = 'N') **or** (option = 'n')