

```
PROGRAM Triangle  PRINT *, "Area="
IMPLICIT NONE    PRINT *, "Circ
REAL :: a, b, c, Area
PRINT *, 'Welcome, please enter the&
&lengths of
READ *, a, b, c
PRINT *, 'Triangle'
ND PROGRAM Triangle
UNCTION Area(x,y,z)
IMPLICIT NONE
REAL :: Area
REAL, INTENT( IN ) :: x, y, z
REAL :: theta, height
theta = ACOS((x**2+y**2-z**2)/(2.0*x*y))
height = x*SIN(theta); Area = 0.5*y*height

PRO
USE circle_op
IMPLICIT NONE
REAL :: r=5.0
PRINT *, "Area=", A
PRINT *, "Circumfe
MODULE circle_op
IMPLICIT NONE
CONTAINS
FUNCTION Area(
REAL :: Area
REAL, INTENT(
Area = Radius
END FUNCTION
```



Fortran Programming

David Baud



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