! cos(x)=1-(x\*\*2/2!)+(x\*\*4/4!)-(x\*\*6/6!)+...

program projecos

integer a,b,c,number

double precision radian,y,r,sum,degree,fact

character\*3 answer

2 print \*,'1;Please enter number of serie.'

read (\*,'(i3)') number

print \*,'2;Please enter a value for degree.'

read (\*,\*) degree

radian=(degree\*3.141593)/180

y=cos(radian)

a=0

b=0

c=1

fact=1

sum=1

 do i=2,number

 a=a+2

 b=(2\*i)-2

 c=-c

 do j=1,b

 fact=fact\*j

 enddo

 r=(radian\*\*a)/fact

 sum=sum+(r\*c)

 enddo

write(\*,\*) 'Number of serie =',number

write(\*,\*) 'Degree =',degree,'in Radian =',radian

write (\*,'(f15.9)') y

write (\*,'(f15.9)') sum

 print \*,'Do you want to do again, Please enter Yes or No?'

 read \*,answer

 if ( answer=='No' ) then

 goto 1

 else

 goto 2

 endif

1 endprogram