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PROGRAM SQUARE
PARAMETER(PAI=3.14159)
INTEGER I
REAL RADIANT,TSIN,TCOS
DO 10 I=0,360,10
RADIANT=REAL(I)/180*PAI
TSIN=SIN(RADIANT)
TCOS=COS(RADIANT)
TSQUARE=TSIN**2+TCOS**2
WRITE(*,601)I,TSIN,I,TCOS,TSQUARE
601 FORMAT('SIN( ',I3,' )=' ,F7.3,' ',COS(' ',I3,' )=' ,F7.3,' ',SQUARE=' ,F7.3)
10 CONTINUE
STOP
END
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SIN(0)=	0.000	,COS(0)=	1.000	,SQUARE=	1.000
SIN(10)=	0.174	,COS(10)=	0.985	,SQUARE=	1.000
SIN(20)=	0.342	,COS(20)=	0.940	,SQUARE=	1.000
SIN(30)=	0.500	,COS(30)=	0.866	,SQUARE=	1.000
SIN(40)=	0.643	,COS(40)=	0.766	,SQUARE=	1.000
SIN(50)=	0.766	,COS(50)=	0.643	,SQUARE=	1.000
SIN(60)=	0.866	,COS(60)=	0.500	,SQUARE=	1.000
SIN(70)=	0.940	,COS(70)=	0.342	,SQUARE=	1.000
SIN(80)=	0.985	,COS(80)=	0.174	,SQUARE=	1.000
SIN(90)=	1.000	,COS(90)=	0.000	,SQUARE=	1.000
SIN(100)=	0.985	,COS(100)=	-0.174	,SQUARE=	1.000
SIN(110)=	0.940	,COS(110)=	-0.342	,SQUARE=	1.000
SIN(120)=	0.866	,COS(120)=	-0.500	,SQUARE=	1.000
SIN(130)=	0.766	,COS(130)=	-0.643	,SQUARE=	1.000
SIN(140)=	0.643	,COS(140)=	-0.766	,SQUARE=	1.000
SIN(150)=	0.500	,COS(150)=	-0.866	,SQUARE=	1.000
SIN(160)=	0.342	,COS(160)=	-0.940	,SQUARE=	1.000
SIN(170)=	0.174	,COS(170)=	-0.985	,SQUARE=	1.000
SIN(180)=	0.000	,COS(180)=	-1.000	,SQUARE=	1.000
SIN(190)=	-0.174	,COS(190)=	-0.985	,SQUARE=	1.000
SIN(200)=	-0.342	,COS(200)=	-0.940	,SQUARE=	1.000
SIN(210)=	-0.500	,COS(210)=	-0.866	,SQUARE=	1.000
SIN(220)=	-0.643	,COS(220)=	-0.766	,SQUARE=	1.000
SIN(230)=	-0.766	,COS(230)=	-0.643	,SQUARE=	1.000
SIN(240)=	-0.866	,COS(240)=	-0.500	,SQUARE=	1.000
SIN(250)=	-0.940	,COS(250)=	-0.342	,SQUARE=	1.000
SIN(260)=	-0.985	,COS(260)=	-0.174	,SQUARE=	1.000
SIN(270)=	-1.000	,COS(270)=	0.000	,SQUARE=	1.000
SIN(280)=	-0.985	,COS(280)=	0.174	,SQUARE=	1.000
SIN(290)=	-0.940	,COS(290)=	0.342	,SQUARE=	1.000
SIN(300)=	-0.866	,COS(300)=	0.500	,SQUARE=	1.000
SIN(310)=	-0.766	,COS(310)=	0.643	,SQUARE=	1.000
SIN(320)=	-0.643	,COS(320)=	0.766	,SQUARE=	1.000

SIN(330)= -0.500 ,COS(330)= 0.866 ,SQUARE= 1.000
SIN(340)= -0.342 ,COS(340)= 0.940 ,SQUARE= 1.000
SIN(350)= -0.174 ,COS(350)= 0.985 ,SQUARE= 1.000
SIN(360)= 0.000 ,COS(360)= 1.000 ,SQUARE= 1.000