PGM PARM(&YEAR)

DCL VAR(&YEAR) TYPE(\*DEC) LEN(4 0)

DCL VAR(&rem4) TYPE(\*DEC) LEN(4 0)

DCL VAR(&rem100) TYPE(\*DEC) LEN(4 0

DCL VAR(&rem400) TYPE(\*DEC) LEN(4 0)

CHGVAR VAR(&REM4) VALUE(&YEAR % 4)

IF COND(&REM4 \*NE 0) THEN(DO)

SNDPGMMSG MSG(‘NOT A LEAP YEAR’)

GOTO CMDLBL(END)

CHGVAR VAR(&REM400) VALUE(&YEAR % 100)

IF COND(&REM100 \*EQ 0) THEN(DO)

CHGVAR VAR(&REM400) VALUE(&YEAR % 400)

IF COND(&REM400 \*NE 0) THEN(DO)

SNDPGMMSG MSG(‘NOT A LEAP YEAR’)

GOTO CMDLBL(END)

ENDDO

ENDDO

SNDPGMMSG MSG(‘IS A LEAP YEAR’)

ENDPGM