1. Guessing Game

PROCEDURE game:

Generate random x, where x >= 1 and x =< N

CALL procedure user input

CALL procedure game output (x, guess)

PROCEDURE user input:

WHILE (guess not integer or 1 >= guess >= N)

OUTPUT ‘enter your guess’

INPUT guess

END WHILE

PROCEDURE game output (x, guess):

WHILE (guess != x)

IF (guess < x)

OUTPUT ‘My number is larger’

CALL procedure user input

ELSE

OUTPUT ‘My number is smaller’

CALL procedure user input

END IF

END WHILE

OUTPUT ‘You are correct’