BEGIN

DISPLAY "🎲 Welcome, Joy! Let's play your favorite number guessing game!"

REPEAT

DISPLAY "First, I need your help setting the stage."

PROMPT "Please enter a starting number (lower bound): "

READ lower\_bound

PROMPT "Now enter an ending number (upper bound): "

READ upper\_bound

IF lower\_bound >= upper\_bound THEN

DISPLAY "Oops! The starting number has to be less than the ending number. Let’s try that again!"

END IF

UNTIL lower\_bound < upper\_bound

GENERATE secret\_number between lower\_bound and upper\_bound

DISPLAY "Awesome! I've picked a secret number between ", lower\_bound, " and ", upper\_bound, "."

DISPLAY "Let’s see if you can figure it out! 🎯"

REPEAT

PROMPT "What’s your guess, superstar? "

READ guess

IF guess < secret\_number THEN

DISPLAY "Hmm... that’s a bit too low. Try again! ⬇️"

ELSE IF guess > secret\_number THEN

DISPLAY "Whoa! That guess is a tad too high. Give it another shot! ⬆️"

ELSE

DISPLAY "🎉 You did it, Bella! You guessed the secret number! 🥳"

END IF

UNTIL guess = secret\_number

DISPLAY "Thanks for playing, Joy. You’re amazing at this game!"

END