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Module 4 Assignment

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Pseudocode:

PROMPT user to input their name

PRINT message to user "Welcome to the higher / lower game, (user's name)!" with user name inserted in the message.

WHILE the statement is TRUE:

 INPUT the lower bound number with message "Enter the lower bound:"

 INPUT the higher bound number with message "Enter the higher bound:"

 IF the lower number is less than the high number

 BREAK the loop

 PRINT message otherwise to user "The lower bound must be less than the upper bound." if the lower bound number is higher than the upper bound number

 (continue looping until user has entered lower and upper bounds to make the loop true)

FIND a random integer between the lower bound and upper bound by calling randint().

INPUT an integer between lower bound and upper bound and output message to user "Great, now guess a number between (inputted lower bound) and (inputted upper bound):"

WHILE the random integer is not equal to the number input by the user

IF the user input integer is lower than the random integer

PRINT "Nope, too low."

IF the user input integer is higher than the random integer

PRINT "Nope, too high."

PROMPT the user to input another integer with the message "Guess another number:"
until the number inputted by the user is the same as the random integer selected

(Loop the statement until the user entered integer is the same as the random integer)

PRINT the message "You got it!" when the user has correctly guessed the number of the random integer.

END