SET **gameWon** to FALSE

SET **maxGuesses** to 6

SET **numGuesses** to 0

WHILE (**numGuesses** <= **maxGuesses** AND NOT **gameWon**)

//generate target word

SET **targetWord** to random valid 5 letter word

//validate input

GET user guess as **guessWord**

WHILE (**guessWord** != 5 letters OR **guessWord** is not a valid word)

GET user guess as **guessWord**

ENDWHILE

//test current guess

SET **numLettersCorrect** to 0

INCREMENT **numGuesses** by 1

//check every letter of guessWord in turn with every letter of targetWord

FOR (every letter in **guessWord** as **gLetter[i]**)

FOR (every letter in **targetWord** as **tLetter[i]**)

IF (**gLetter[i]** === **tLetter[i]**) THEN

IF ( index of **gLetter** === index of **tLetter**) THEN

INCREMENT **numLettersCorrect** by 1

DISPLAY **gLetter[i]** green

BREAK out of inner loop

ELSE

DISPLAY **gLetter[i]** yellow

BREAK out of inner loop

ENDIF

ENDIF

ENDFOR

DISPLAY **gLetter[i]** grey

ENDFOR

//check if correct word and exit game loop if yes

IF (**numLettersCorrect** === 5) THEN

SET **gameWon** to TRUE

ENDWHILE

//display the game result

IF (**gameWon**) THEN

DISPLAY “User Won”

ELSE

DISPLAY “Better Luck Next Time”

ENDIF

Caution :- This code is untested and could blow up your computer.