

guessMultipleCheck:

| Input: | Processing: | Output: |
|--|---|-------------------------------|
| String guess String[] guessArray String word | while length(guess) != 1 or guess == "" or guess == " ": | String guess Integer index |

guessDuplicateCheck

| Input | Processing | Output |
|--|--|-------------------------------|
| String[] guessArray[] String guess Integer index String word Integer allGuessCounter | while guessArray.count(guess) >= 1 and index > 0: Input guess guessArray[index] = guess if len(guess) != 1 or guess == "" or guess == " ": guess, index = Call guessMultipleCheck(guess, allGuessCounter, guessArray, index, word) allGuessCounter += 1 End while | String guess Integer index |

extreme list:

| Input | Processing | Output |
|--------------|---|---------------|
| dif | Open words_extreme.txt and return a random word. | word |

hard list

| Input | Processing | Output |
|--------------|--|---------------|
| dif | Open words_hard.txt and return a random word. | word |

medium_list

| <u>Input</u> | <u>Processing</u> | <u>Output</u> |
|--------------|---|---------------|
| dif | Open words_medium.txt and return a random word. | word |

easy_list

| <u>Input</u> | <u>Processing</u> | <u>Output</u> |
|--------------|---|---------------|
| dif | Open words_easy.txt and return a random word. | word |

underScore

| <u>Input</u> | <u>Processing</u> | <u>Output</u> |
|-------------------------|--|-------------------|
| word length guess | for index in range(0, length): if guess == word[index]: underArray[index] = guess End if | underArray[index] |

guessIndexFinder

| <u>Input</u> | <u>Processing</u> | <u>Output</u> |
|-------------------------|---|-------------------|
| word guess length | for index in range(0, length): if guess == word[index]: tempIndex = index | Integer tempIndex |

Choice

| <u>Input:</u> | <u>Processing:</u> | <u>Output:</u> |
|---------------|--|----------------|
| dif | The user inputs the difficulty number. The program determines difficulty of the word from the user input. Return word | word |

errorDisplay

| <u>Input:</u> | <u>Processing:</u> | <u>Output:</u> |
|---------------|--|----------------|
| error | Determine the error number based on the user input. Identify the correct error display. Return error display. | error display |

restartValid

| <u>Input:</u> | <u>Processing:</u> | <u>Output:</u> |
|---------------|--|----------------|
| restart | If restart == "y" or restart == "Y": Restart Program Else: Exit Program | N/A |

Program

| <u>Input</u> | <u>Processing</u> | <u>Output</u> |
|--------------|---|---------------|
| Letter | The user will input letters to guess the correct word. The program will return the word. | word |