Start

// Step 1: Initialize left and right positions

Set left = 0

Set right = length of dictionary - 1

// Step 2: Start the search loop

While left <= right:

// Step 3: Calculate the middle

Set mid = (left + right) // 2

Set midWord = dictionary[mid]

// Step 4: Compare midWord with targetWord

If midWord == targetWord:

// Step 5: Word found, return the word

Output "Found the word: " + midWord

End

// Step 6: If targetWord is greater than midWord, move to the right

Else If targetWord > midWord:

Set left = mid + 1

// Step 7: If targetWord is less than midWord, move to the left

Else:

Set right = mid - 1

// Step 8: If word is not found after the loop

Output "Word not found in the dictionary"

End