Suffix Program

Inputs: (from user)

User provides the sentence.

Outputs: (text description of what the algorithm will output)

Program outputs the second word.
It also outputs the list of new created words from the letters
of the second word.

Main Algorithm (numbered steps)

1. Print welcome message
2. Prompt the user for the sentence
3. Extract the second word from the sentence and print it
4. Generate and print new words from each letter in the second
word

**Step Refinements (provide a refinement for each numbered step
that has multiple sub-steps)**

Step 3 refinement

3.1 Find the first space (' ') in the sentence.
3.2 Store the letters after the first space in a new string
until the next space is found.
This fetches the second word. Store it in a new string. Remember
to insert the null character
'\0' at the end of this new string.
3.3 Print the second word.

Step 4 refinement

4.1 Use a for loop to iterate through each letter in the second
word (using its length)
4.2 Print the character followed by "otter"