Question 1: Code Writing Write a function definition with the following expectations:

- The function name is short words and is called with a list[str] as an argument.
- The function should **return** a new list[str] of the words from the input list that are shorter than 5 characters.
- If a word is not added to the new list because it is too long, the function should **print** a string stating that it was too long.
- The function should not mutate (modify) the input list.
- Explicitly type variables, parameters, and return types. (The autograder won't check for this, but it's good practice for the quiz!)
- If using the autograder, save your file as short_words.py.
- The following REPL examples demonstrate expected functionality of your value_exists function:

1.1. Write your function definition here: