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

- The function name is odd and even and is called with a list[int] as an argument.
- The function should return a list[int].
- The function should return a new list containing the elements of the input list that are odd and have an even index.
- 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!)
- The following REPL examples demonstrate expected functionality of your odd_and_even function:
- If using the autograder, save your file as odd_and_even.py.