

Functions Test 1

Try to use proper variable names. Add comments where necessary.

1. Implement a program that takes a number n and returns factorial: i) Without recursion ii) With recursion
 2. Write a program that:
 - Declares an array 20 random integers from 50 to 100.
 - Defines a function `LinearSearch(n)` that returns index if n is found in array and -1 if not.
 3. Implement a number guessing game:
 - Generate a random number between 0 and 10 (inclusive).
 - Let user guess the number until they get it right.
 - Display "Try lower" or "Try higher" or "Congratulation you got it in n attempts!" based on input
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