1. Using memoization, define a function `factorial` that takes one integer \( n \) and computes its factorial. You may assume the argument is always a non-negative integer. For example, \( (\text{factorial 6}) \) should return 720 and \( (\text{factorial 0}) \) should return 1.

2. Write a stream `positive_odd_stream` which will generate positive odd numbers when called.

3. Write a stream `alternating_nums` which will generate natural numbers alternating in its sign (i.e. 1, -2, 3, -4, 5, -6 ....)

4. Write a stream `repeat_three_times` which repeats each positive number 3 times before continue. (i.e. 1, 1, 1, 2, 2, 2, 3, 3, 3 ....)