	April 18 and April 20, 2017
1.	<pre>Fill in the following code! odd_stream returns a stream that adds 3 to the previous integer if odd and adds 5 if even. def oddstream(num = 1): def compute_rest():</pre>
	<pre>if num % 2 != 0: / +1 for condition</pre>
	<pre>return oddstream(num+3) +0.5</pre>
	else:
	<pre>return oddstream(num+5) +0.5</pre>
	<pre>return Stream(num, compute_rest) +1 for compute_rest and +1 for num?</pre>
2.	Define a procedure partial_sums that takes as argument a stream S and returns the stream whose elements are S0, S0 + S1, S0 + S1 + S2, For example, partial_sums (positives) should be the stream 1, 3, 6, 10, 15, Hint: Recall map_stream. def map_stream(fn, s): if s is Stream.empty: return s return Stream(fn(s.first), lambda: map_stream(fn, s.rest))
	<pre>def partial_sums(s):</pre>
	add_first = lambda x: x + s.first
	<pre>return Stream(s.first, lambda: stream_map(add_first, partial_sums(s.rest)))</pre>
3.	<pre>What are the first five elements of the following Stream? def stream(): return Stream(1. lambda: add streams(stream(). stream()))</pre>

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