Please answer the following questions for Monday's class.

1. How does a generator support the notion of abstraction?

2. Write a generator, randInts(lo, hi), that yields an infinite stream of random integers between lo and hi.

3. Write a generator, randWords(), that yields an infinite stream of words randomly selected from the dictionary, /usr/share/dict/words.
4. Write a generator `reverse(s)` that yields the values from a finite iterable object, `s`, but in reverse order.

5. Write a generator `some(s, p=0.5)` that yields some of the values of `s`. For each value encountered from `s` it flips a coin that has probability `p` of being heads. If the coin shows heads, `some` yields that value, otherwise, it doesn't. (Hint: `random` has a method `random` that returns a random value in the range `[0, 1)`.)