Exercise 2.4

1) Consider the type definition typedef struct {int degree; int capacity; float* coef;} dpolynomial; where coef is the dynamically allocated one-dimensional array coef[0:capacity-1]. Compare this representation for polynomials with the one using the type polynomial.

Polynomial	dpolynomial
- The terms array which stores all the polynomials as coefficients and their corresponding exponents have statically allocated size via MACRO. The MAX_TERMS value may be continuously increased as one keeps on increasing the terms.	- The size of the coef array entirely depends on the user input at run-time.
- More efficient in terms of space when polynomial is sparse, i.e. many 0 coefficients.	More efficient in terms of space when Polynomial is dense.

2) Write functions readPoly and printPoly that allow the user to create and print polynomials.