CSI 202 — Computer Science II

Homework #02 - due February 6th, 2006

Extend Homework #01. Prompt the user for a file name. The file will contain a list of integers. The first number is the number of grades n, followed by n integer grades. For example:

$n\ a_1\ a_2\ ...\ a_n$

After the file is read, the program should print the average of the grades. Your program should use a dynamic array, and use a function to compute the average. An array of size 0 should have an average of 0. Your output should exactly match the output below.

The source must be called `hw2.cpp`.
The executable will be compiled as `hw2`.

Sample Program Execution:

```
Enter the filename: data1.dat

The average grade of these 5 numbers is: 90.8
```