

1. Declare an array of integers named **foo** that has 1000 elements, but do not initialize it:

2. Show how you would initialize the above array with values entered from the file named "**data.txt**":

```
ifstream fin( "data.txt" );  
if( fin.fail() ) return 1;
```

3. A function named **arrayAvg** has two parameters: an integer array and an integer number of elements in the array. It returns a **double**, the average of all the array element values. Write a function prototype for **arrayAvg**:

4. Show how you would call this function to find the average in the array **foo**: