PROGRAM 4			NAME:
DONUTS			
	10	Con	npiles / Syntax Errors
		10	☐ Compiles with no errors – 10 points ☐ Does not compile – 0 points
	80	Foll	ows Program Algorithm & Specifications
	00	10	☐ The program was implemented in 5 files as specified:
			donut.cpp
			donut.h functions.cpp
			arrayFunctions.cpp
		_	arrayHeader.h  Program does not contain any global variables
		5	□ Program does not contain any global variables □ Function prototypes are correct.
		15	Main Function / Algorithm:
			□ Variables defined properly
			<ul> <li>□ Program asks how many students surveyed</li> <li>□ Program calls makeArray function three times to dynamically allocate three arrays</li> </ul>
			□ enterData function called
			☐ getLargest function called ☐ getSmalles function called
			getTotal function called
			average number of donuts eaten by all calculated
			<ul> <li>□ getMode function called for location</li> <li>□ getMonde function called for type of donut</li> </ul>
			results are printed in a nice format and contain the same information as in the sample output
			□ Deletes dynamically allocated arrays
		15	enterData() function:
			accepts a pointer to three different arrays and the size of the array
			ask user for information and enter all the information into the appropriate array
			<ul> <li>□ user validation for number eaten (no negative numbers, no chars/strings)</li> <li>□ user validation for place (1 – 5, no chars/strings)</li> </ul>
			□ user validation for type (1 – 6, no chars/strings)
		35	used pointer notation  ARRAY functions
		33	makeArray
			parameter – size of array
			dynamically allocates integer array returns pointer to array
			getLargest
			in pointer notation
			accepts pointer to array and size finds largest number in array & returns it
			□ getSmallest
			in pointer notation accepts pointer to array and size
			finds smallest number in array & returns it
			□ getTotal
			in pointer notation accepts pointer to array and size
			finds total of all array elements & returns it
			getMode
			in pointer notation accepts pointer to array and size
			finds mode of of array & returns it unless there is no mode, then it returns -1
	10	Rea	dability of Code
		4	☐ Comment block at top containing title of program, date, author, and purpose in ALL FIVE FILES.
		6	<ul> <li>A comment block above each function prototype in the header file containing the function purpose, pre-conditions, and post-conditions</li> </ul>
	100	TOT	AI (FINAL) GRADE