CPP Problem Design			
Subject: Occurrenc Counting			
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Main testing concept:File I/O			
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Basics	<u> </u>	Functions	
C++ BASICS FLOW OF CONTROL		☐ SEPARATE COMPILATION AND NAMESPACES ■ STREAMS AND FILE I/O	
FUNCTION BASICS		RECURSION	
PARAMETERS AND OVERLOADING		☐ INHERITANCE	
■ ARRAYS □ STRUCTURES AND CLASSES		☐ POLYMORPHISM AND VIRTUAL FUNCTIONS ☐ TEMPLATES	
CONSTRUCTORS AND OTHER TOOLS		☐ LINKED DATA STRUCTURES	
☐ OPERATOR OVERLOADING, FRIENDS, AND REFERENCES		EXCEPTION HANDLING	
■ STRINGS □ POINTERS AND DYNAMIC ARRAY	S	☐ STANDARD TEMPLATE LIBRARY ☐ PATTERNS AND UML	
Description:			
Write a program that reads in an array of type int from a file, the file named			
"intArray.txt". Please note that the number of entries is not limited. Your			
program determines how many entries are used. The output is to be a two-column			
list. The first column is a list of the distinct array elements; the second			
column is the count of the number of occurrences of each element. The list			
should be sorted on entries in the first column, largest to smallest.			
Input:			
For the array values: -12 3 -12 4 1 1 -12 1 -1 1 2 3 4 2 3 -12			
Output:			
N Count			
4 2			
3 3			
2 2			
1 4			
-11			
- 12 4			
The two integers are divided by one tab(\t).			
Sample Input / Outpu	I		
Sample Input	Sample Output		
13 8 -4 0 8 -8 8 -1	N count		
12 0	13 1		
	12 1		
	8 3		
	0 2 -1 1		
	-1 1 -4 1		
	-4 1 -8 1		
Form Only having		d atmentume are required	
Eazy, Only basic programming syntax and structure are required.			
Medium, Multiple programming grammars and structures are required.			
Hard, Need to use multiple program structures or more complex data types.			

Expected solving time:	
15minutes	
Other notes:	