CSC2040 Class Test 2 Feedback

Maire Bowler < M.Bowler@qub.ac.uk>

Tue 28/11/2017 16:43

To:Dewei Liu <dliu08@qub.ac.uk>;

CSC2040 Data Structures and Algorithms and Programming Languages Class Test 2 Feedback Sheet

Student Name: Dewei Liu
Student Number: 40000000

Part 1	
Include guards included in xarray.h, for example:	Did not include guards
#ifndef XARRAY_H	
#define XARRAY_H	
Copy Constructor:	correct
Definition correct in header file xArray (const xArray&	
x);	
Implementation as follows:	correct
Size copied	
New array created and data copied	correct
Main program no longer crashes	

Part 2	
Correct definition in xarray.h:	correct
<pre>bool operator>=(xArray x); or</pre>	
<pre>bool operator>=(const xArray& x);</pre>	
Implementation:	correct
2 variables to hold the 2 sums set to zero	
2 suitable loops to calculate the sums of the arrays(data)	correct
Boolean value returned	correct
New main function proves that the >= operator is working	correct
with 2 examples a>=b and b>=a	

Part 3	
The following changes made to remove to turn it into a	correct
template function:	
Before the function heading:	
template <typename t=""></typename>	
The function heading	correct
<pre>void remove(T* &array, int &array_len, int</pre>	
pos)	
Creation of the temp array	correct
T* temp = new T[array len];	
Testing as outlined in the exam script:	Did not delete array
Steps 1 to 6 followed for a double array including	
delete[] d array;	
Steps 1 to 6 followed for the char array including	Did not delete array
delete[] c array;	

Part 4	
Error found in uConvert.h. private changed to protected	correct
New derived class added p2k as follows: void read_unit() changed to ask for value in pounds	correct
void convert() changed based on the conversion value 0.453592	correct
void print() the appropriate output (i.e kg	correct
Main method contains the following alterations: Appropriate addition to the menu	correct
Switch statement contains a new case 4	correct

Grade Achieved: 92.5