**Logo

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**CS360L - Programming in C and C++ Lab**

**Lab Assignment #5**

**Due day: 6/21/2022**

**Instruction:**

1. **Push the answer sheets/source code to Github**
2. **Please follow the code style rule like programs on handout.**
3. **Overdue lab assignment submission can’t be accepted.**

**4. Take academic honesty and integrity seriously (Zero Tolerance of Cheating & Plagiarism)**

1. Write a function that takes a vector of integers as argument and reverses its elements.

*void rvrs(Vector<int>& vct){*

//Complete your program

*}*

1. Find a function with one argument, vector of vectors named *vals*, for coordinates of one of its elements in *row* and *col* to print the values that lie on the lower-left to upper-right diagonal of *vals*. After that, verify it in *main* function
2. Create a class *Tensor* with a method *sort* to sort a vector input argument and print it out. Please verify this correctness in *main* function
3. Find the errors in the following class and explain how to correct them. Please test it in main function

*class Example{*

*public:*

*Example( int y = 10 ): data( y ){*

*// empty body*

*} // end Example constructor*

*int getIncrementedData() const{*

*return data++;*

*} // end function getIncrementedData*

*static int getCount(){*

*cout << "Data is " << data << endl;*

*return count;*

*} // end function getCount*

*private:*

*int data;*

*static int count;*

*}; // end class Example*