

## Assignment #6: BIT 1400

Due Friday Dec 6, 2013 11:59 pm

With this assignment we will be working with sorting algorithms.

Please submit a C++ program (.cpp) to CuLearn by the deadline.

### **1. You're very own Quick Pick Generator!**

1. Begin the program by creating a random array of 6 values between 1 and 49. Make sure that you use the `time()` function and `srand` to seed the `rand()` function. Display the resulting data using a `displaydata` function that you pass the array (and it's size) into.
2. Have the user determine whether they wish to use a bubble sort to sort the array or selection sort. Once the user has made their decision have the program call either the `bubblesort` or `selectionsort` function (with the random array and its size as arguments) which sorts the array and calls the `displaydata` function (with the sorted array as an argument).

The resulting output should look something like:

```
Original Array:
47
1
34
9
11
5
Do you wish to use Bubble sort (enter 'B') or the Selection sort (enter 'S')?S
Selectionsort Array:
1
5
9
11
34
47
```

If you have any questions, feel free to ask.

P.S. This program will produce repeated numbers.