CSE 2003: Lab Assignment #9

Due on Thursday, March 30, 2017

Prof. Shaik Naseera 2:00pm

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Problem 1

Implement a bubble sort program using brute force using C

Listing 1: Bubble sort using C

```
/*Program for bubble sort in C*/
   #include <stdio.h>
   int main()
       int array[100], n, c, d, swap;
       printf("Enter number of elements\n");
       scanf("%d", &n);
       printf("Enter %d integers\n", n);
       for (c = 0; c < n; c++)
           scanf("%d",&array[c]);
       for (c = 0 ; c < (n - 1); c++)
           for (d = 0 ; d < n - c - 1; d++)
               if (array[d] > array[d+1]) /* For decreasing order use < */</pre>
                   swap = array[d];
                   array[d] = array[d+1];
                   array[d+1] = swap;
20
           }
       printf("Sorted list in ascending order:\n");
       for (c = 0; c < n; c++)
           printf("%d\n", array[c]);
25
       return 0;
   }/*End of main()*/
```

