



## ***Lab. (6)***

### ***File Input/output***

**Answer the following questions**

**Question One:**

Write a C++ program to read 10 student names from file then sort them using the Bubble sort algorithm and write the sorted names in new file.

**Question Two:**

Write a C++ program to read 10 student names including their degrees in programming subject from file then print a congratulation sentence to the higher degree student such as “congratulations and best wishes for your effort – student name”.

**Question Three:**

Write a C++ program that reads the content of a text file “input\_file.txt” in your working directory. Check to see if the required logical operation is either “and” or “or” or “xor”, then call a function that perform the logical operation (you will write 3 functions). Finally create a text file “output\_file.txt” with the result.

For example: -

input\_file.txt

and	0	1
-----	---	---

output\_file.txt

and	0	1	0
-----	---	---	---

**Question Four:**

Write a C++ program to read 5 student names including their degrees in 4 subjects from file then calculate the total degree for all students and write the student names, all degrees, and the total degrees in new file.