

## HW11\_note

Use **dynamic programming** approach to implement a program to **find the Longest Common Subsequences**. Show the **time complexity** of your program. (Due Nov. 21)

1. **Input:** two strings S and T.  
**Output:** The Longest Common Subsequences of S and T.
2. A "**C/C++ source code**" and a "**Report**" file are needed.
3. The "**Report**" file should include:
  - a. how to execute your code
  - b. the procedure of your program
  - c. how you use the dynamic programming approach
  - d. the time complexity analysis of your program
4. The two files should be named as  
Source code: [algo\\_hw11\\_STUDENT ID NUMBER.c/.cpp](#)  
Report: [algo\\_hw11\\_STUDENT ID NUMBER.pdf](#)
5. Upload to **iLMS** system.
6. The deadline is **11:59 p.m.** on **11/21(Fri.)**.