Illustrations for source code

(1) The program uses some source code from last assignment, which could identify some elements for a XML document, such as XML head, Start Tag(e.g <xxx>), End Tag(e.g </xxx>), Tag(e.g <xxx>), Content for the Tag, XML Explanation, Attribute Name for Tag, Attribute Value for Tag, Content for CDATA element.

(2) In order to run the code, for windows version, you can put an XML file named *test.xml* and a configuration file named *config* in the same folder with the *XML_parellel.exe*. You can also change your configuration by changing item values in *config* file. The XML_parellel.exe is in the folder called XML_CODE, and it can be executed directly by double clicking itself. Besides, two test xml files and source code are also put under the same folder with the *XML_parellel.exe*. Also, you need to input the number of bytes for each part of the file when the program is running.

(3) For Linux version, in order to run the program, you can put an XML file named *test.xml* and and a configuration file named *config* in the same folder with the *XML_parellel*. You can also change your configuration by changing item values in *config* file. Then transfer this folder to Linux server, enter into the related path and input the command to run this program.

./XML_parallel

(4) In order to compile the code, first you need to install a GCC compiling environment. Then open the command window and enter into the folder where the source code is in, input the following command to finish the process of compiling(it is also suitable for Linux environment):

gcc -O3 -o XML_parellel XML_parellel.c -lpthread

After that, you need to put a XML file named *test.xml* in the same folder with the source code. Then input the command XML_parellel directly in the same command window or double click *XML_parellel.exe* under the same folder and see the running results.