**CPP Problem Design**

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| **Subject: CopyCat** |
| **Contributor: 謝公耀, 陳俊儒, 廖宣瑋** |
| **Main testing concept: File I/O**   |  |  | | --- | --- | | **Basics** | **Functions** | | □ C++ BASICS  □ FLOW OF CONTROL  □ FUNCTION BASICS  □ PARAMETERS AND OVERLOADING  □ ARRAYS  □ STRUCTURES AND CLASSES  □ CONSTRUCTORS AND OTHER TOOLS  □ OPERATOR OVERLOADING, FRIENDS,AND REFERENCES  □ STRINGS  □ POINTERS AND DYNAMIC ARRAYS | □ SEPARATE COMPILATION AND NAMESPACES  ■ STREAMS AND FILE I/O  □ RECURSION  □ INHERITANCE  □ POLYMORPHISM AND VIRTUAL FUNCTIONS  □ TEMPLATES  □ LINKED DATA STRUCTURES  □ EXCEPTION HANDLING  □ STANDARD TEMPLATE LIBRARY  □ PATTERNS AND UML | |
| **Description:**  Please write a file copy program with usage as follow:  myCopyFileExe SourceFile.xxx DestinationFile.xxx  Note that your program can copy both binary and text files.  **Input:**  myCopyFileExe myPicture.png myPictureCopy.png  **Output:**  myPictureCopy.png  **Sample Input / Output：**   |  |  | | --- | --- | | Sample Input | Sample Output | | 無 |  | |
| **■ Eazy,Only basic programming syntax and structure are required.**  **□ Medium,Multiple programming grammars and structures are required.**  **□ Hard,Need to use multiple program structures or complex data types.** |
| **Expected solving time:**  10 minutes |
| **Other notes:** |