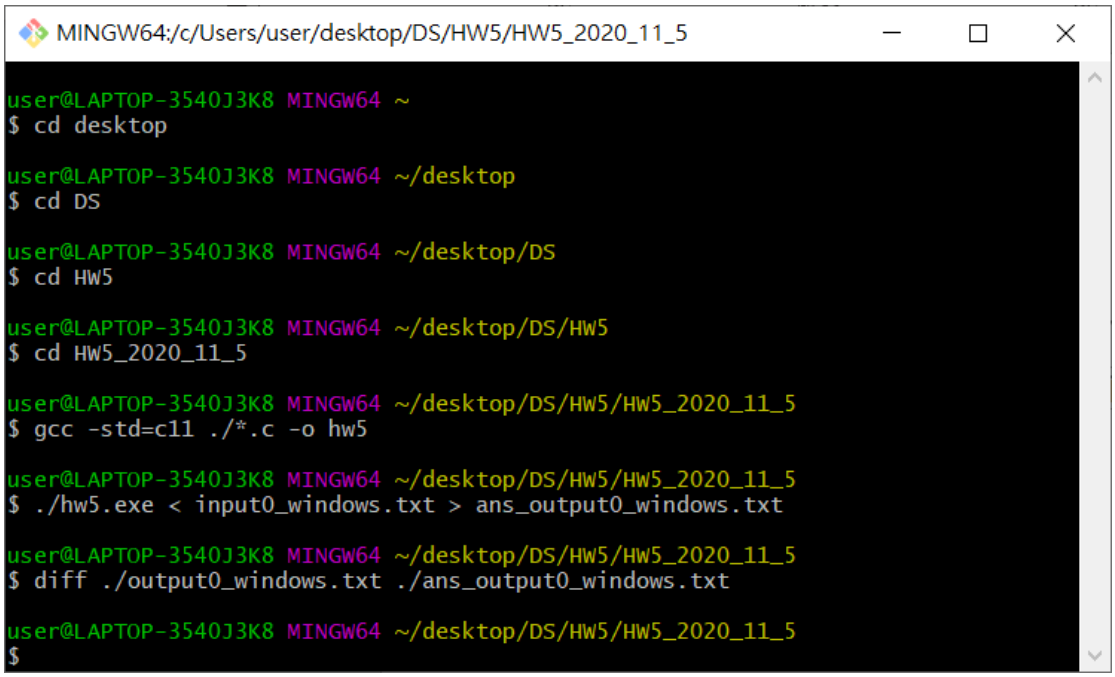
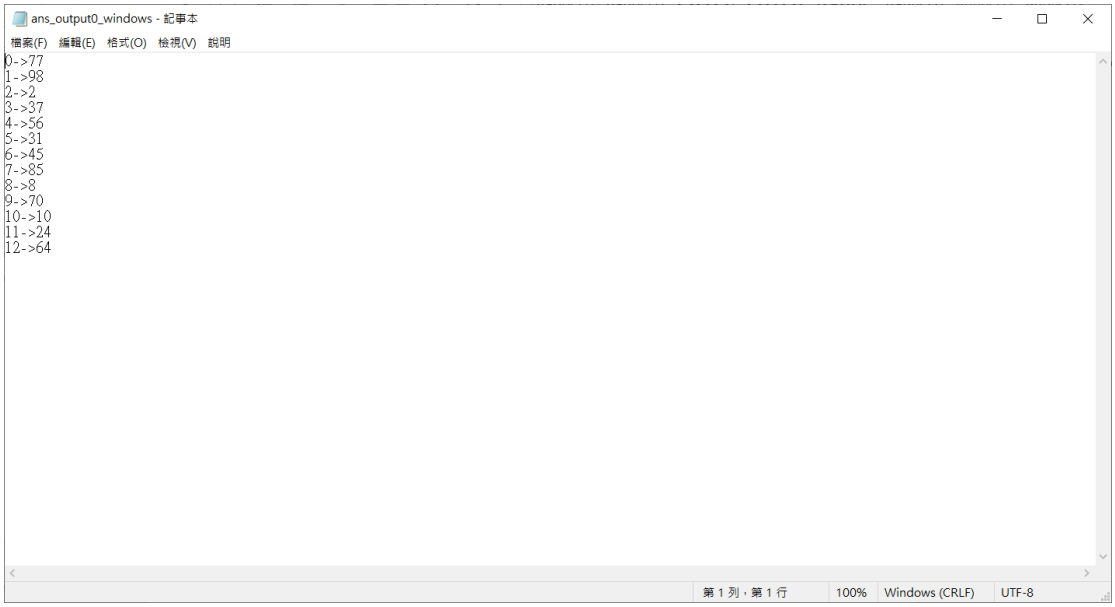
Result Screenshots

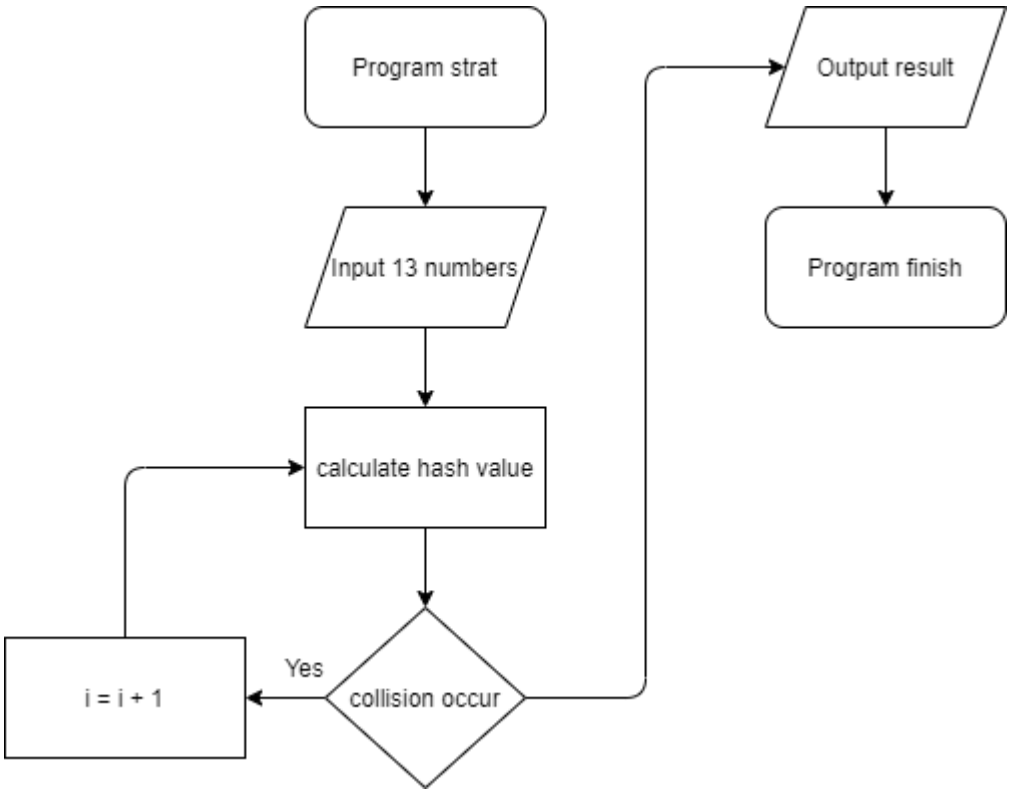


編譯與執行指令截圖



ans_output0_windows.txt 截圖

Program Architecture



Program Functions

int hash1(int key);
//hash function
Parameters:
int key: The key to hash
Return value:
Hash value

int hash2(int key);
//hash function
Parameters:
int key: The key to hash
Return value:
Hash value

int hash (int key);
//hash function calculate by two individual hash functions
Parameters:
int key: The key to hash
Return value:
Hash value

Program design

依照題目要求寫好 3 個 hash function

每次 hash 時判斷是否發生 collision

如果有發生的話 就 i = i + 1 並且重新計算 hash 值

Operating System

Windows10 家用版

Compiler

gcc version 8.2.0 (MinGW.org GCC-8.2.0-3)

Compile

gcc -std=c11 ./*.c -o hw5

Run

. ./hw5.exe < input0_windows.txt > ans_output0_windows.txt