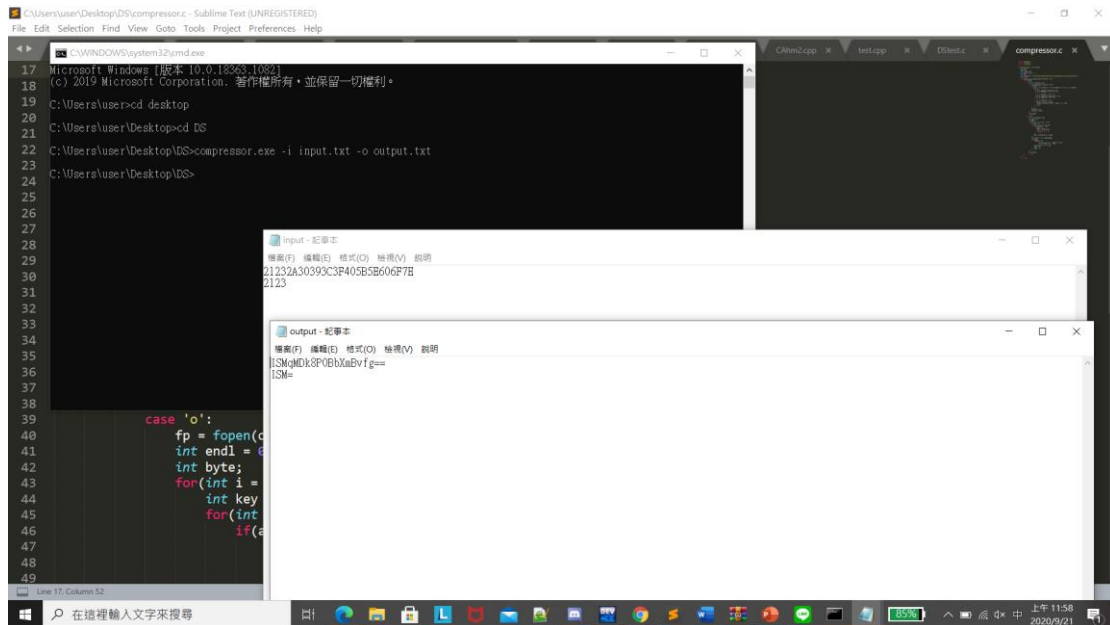


# 執行畫面



The screenshot displays a Windows 10 desktop environment. In the background, a Sublime Text editor window is open, showing a C++ source file named 'compressor.c'. The code in the editor includes a 'case 'o':' block with a 'fopen' call and nested 'for' loops. Overlaid on the editor is a black command prompt window with white text showing the execution of 'compressor.exe' with input and output file arguments. In the foreground, two Notepad windows are open. The 'input - 記事本' window contains a hexadecimal string '21232a30393c3f405b5b606f7b' followed by '2123'. The 'output - 記事本' window shows the result of a hex-to-ASCII conversion: 'ISMgMdk8P0BbXm5vfvg==\nSM='.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [版本 10.0.18363.1002]
(c) 2019 Microsoft Corporation. 著作權所有，並保留一切權利。
C:\Users\User>cd desktop
C:\Users\User\Desktop>cd DS
C:\Users\User\Desktop\DS>compressor.exe -i input.txt -o output.txt
C:\Users\User\Desktop\DS>
```

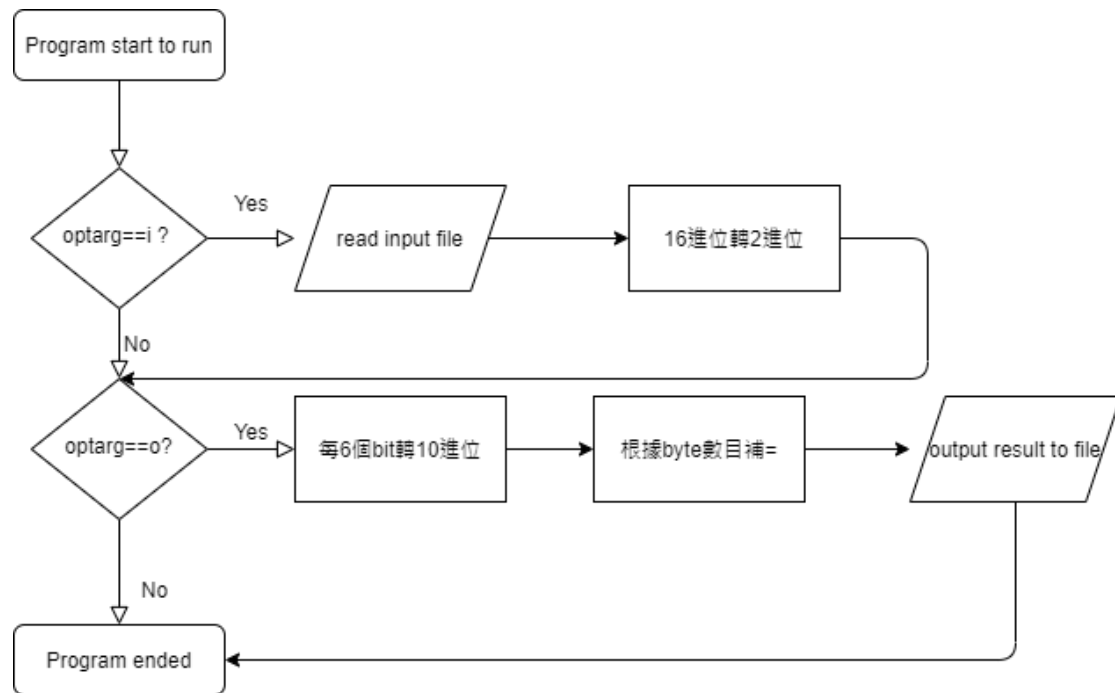
input - 記事本

```
21232a30393c3f405b5b606f7b
2123
```

output - 記事本

```
ISMgMdk8P0BbXm5vfvg==
SM=
```

# Program Architecture



# Pseudocode

While(getopt from command line):

    If optarg = i:

        Input data from file

        Transfer 16 進位 to 2 進位 and store into an array

    If optarg = o:

        for i = 0; i < end; i+=6:

            transfer to 10 進位 and find 對應字元 in table

        according to the number of bytes 補=

        output result to file

return