

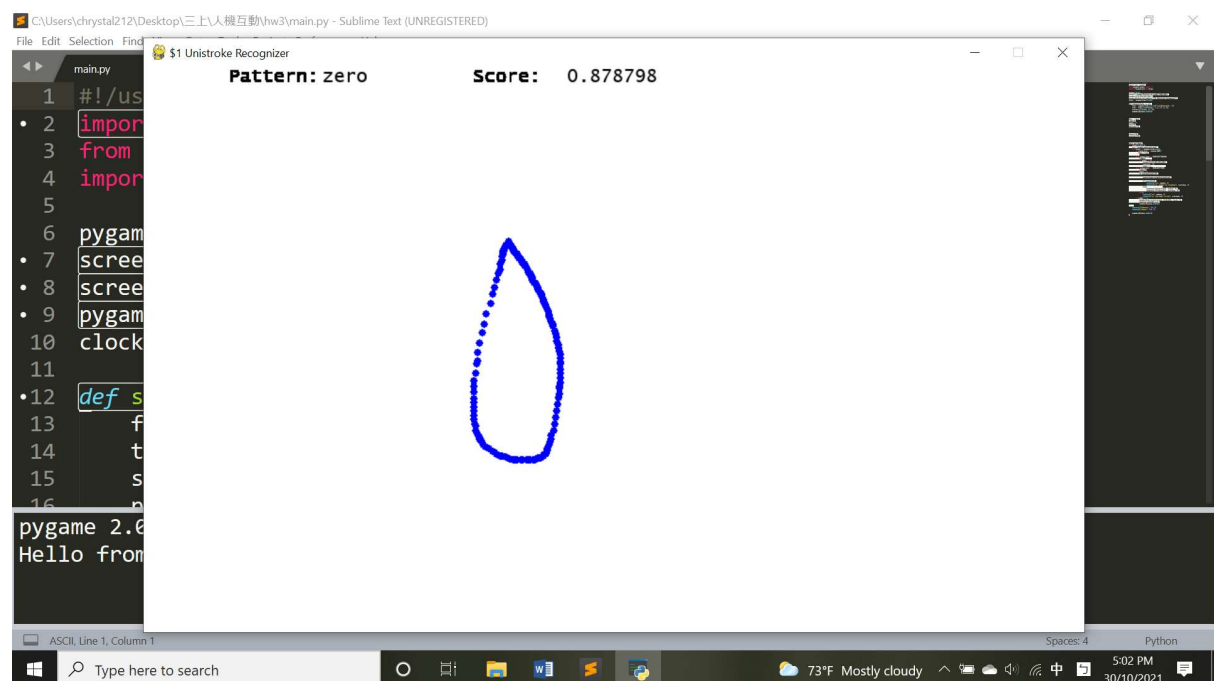
## 人機互動 hw3 Unistroke Recognizer

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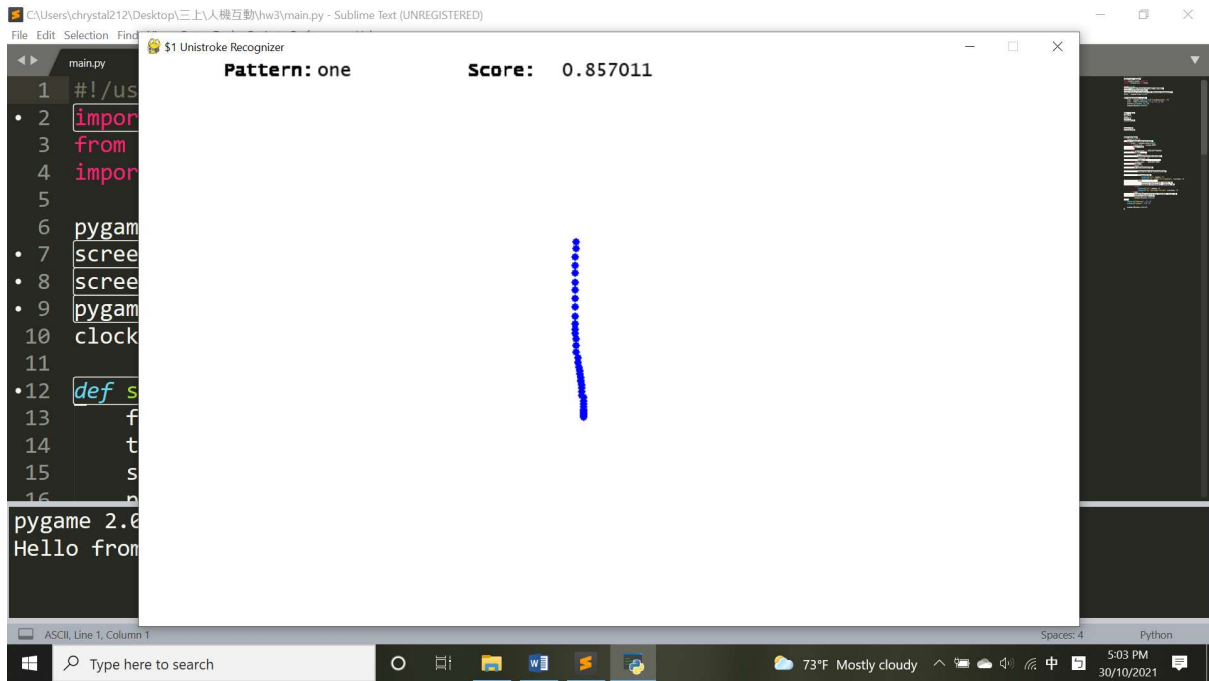
題目: Implement \$1 Unistroke Recognizer using your favorite language. Test your program by adding Palm Pilot Graffiti patterns 0-9 to your library. Put your code, screenshots of testing the strokes, and report in a single zip file and submit.

我用的是 python 來實作，直接執行 main.py。先把寫的字做 sample，sample 28 個點，然後做旋轉、放大，以及平移。最後和 template 中的 pattern 做比較，找出最近似的。結果上，發現有些 pattern 有時候很難分，例如: zero 和 circle 很難分，v 和 4 有時候會有混淆。

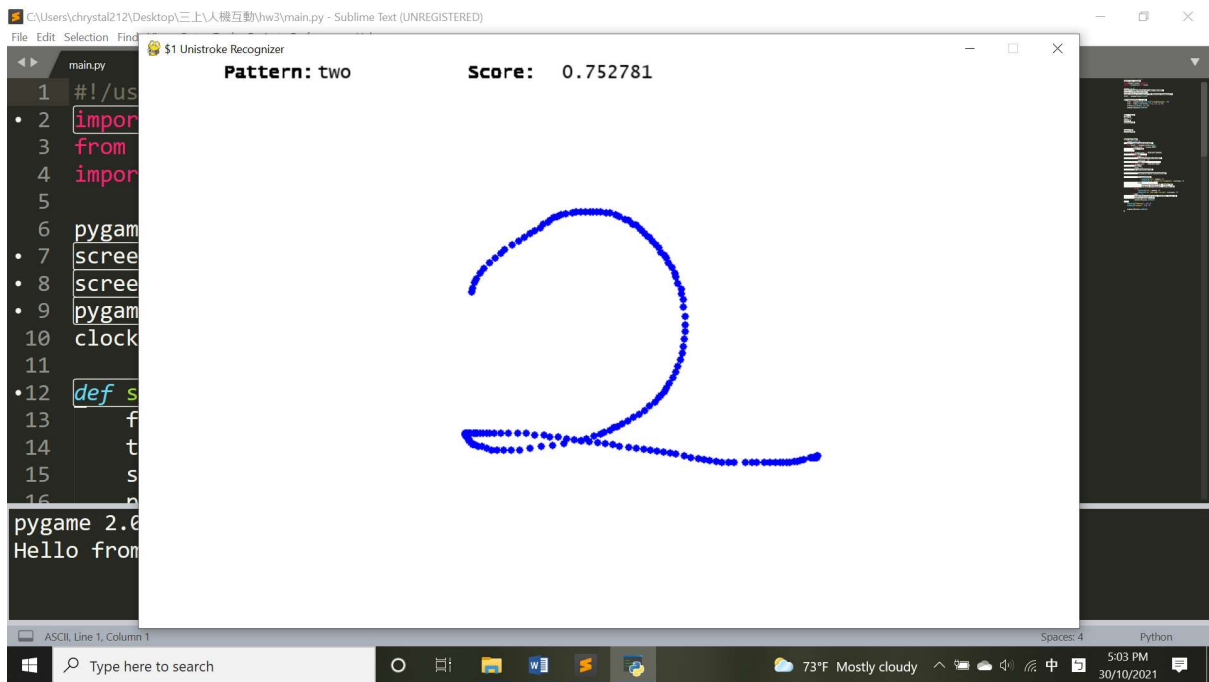
Zero:



One:



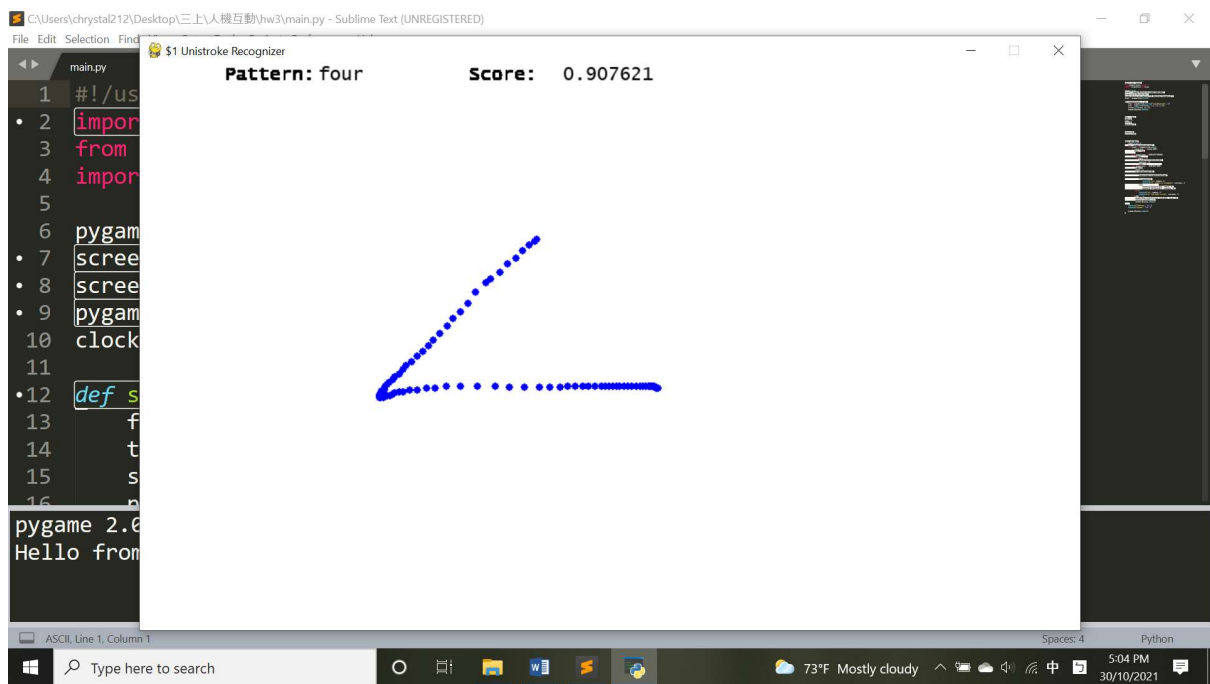
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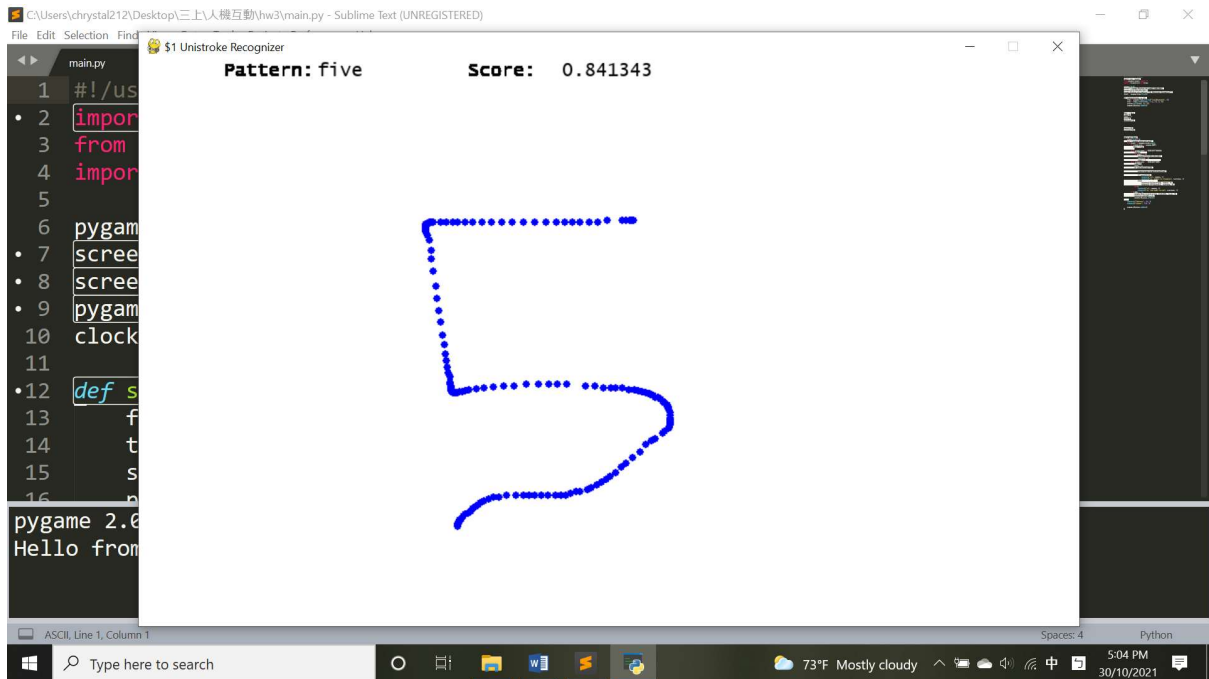
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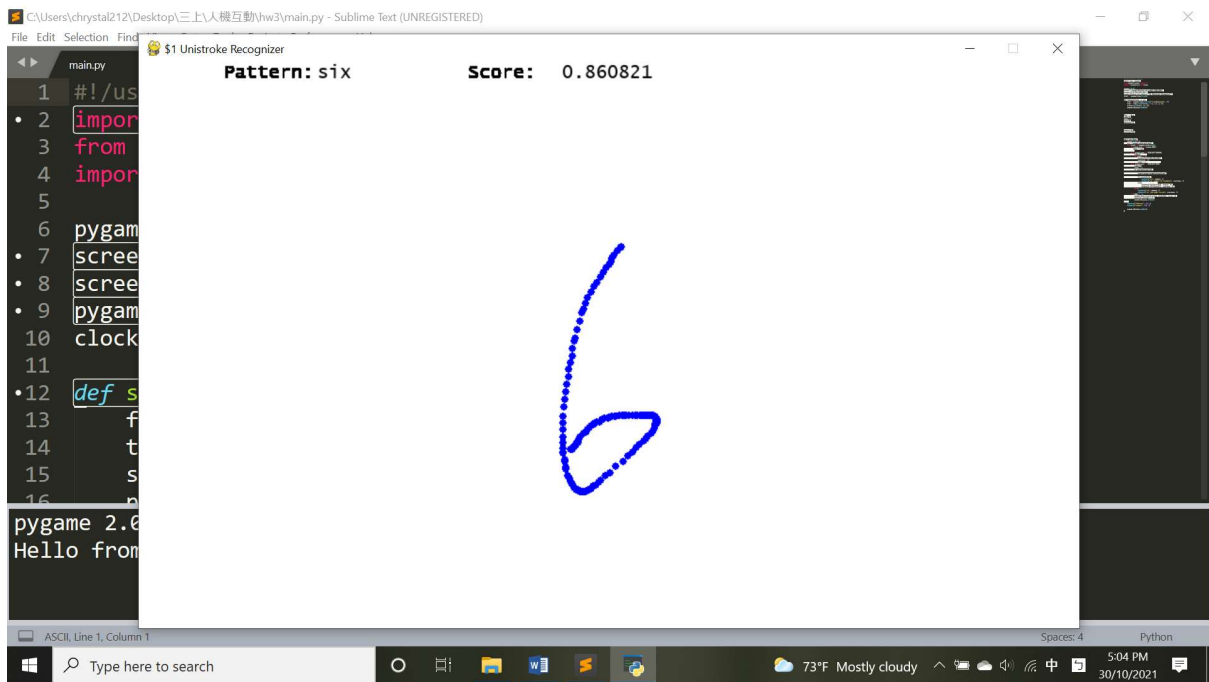
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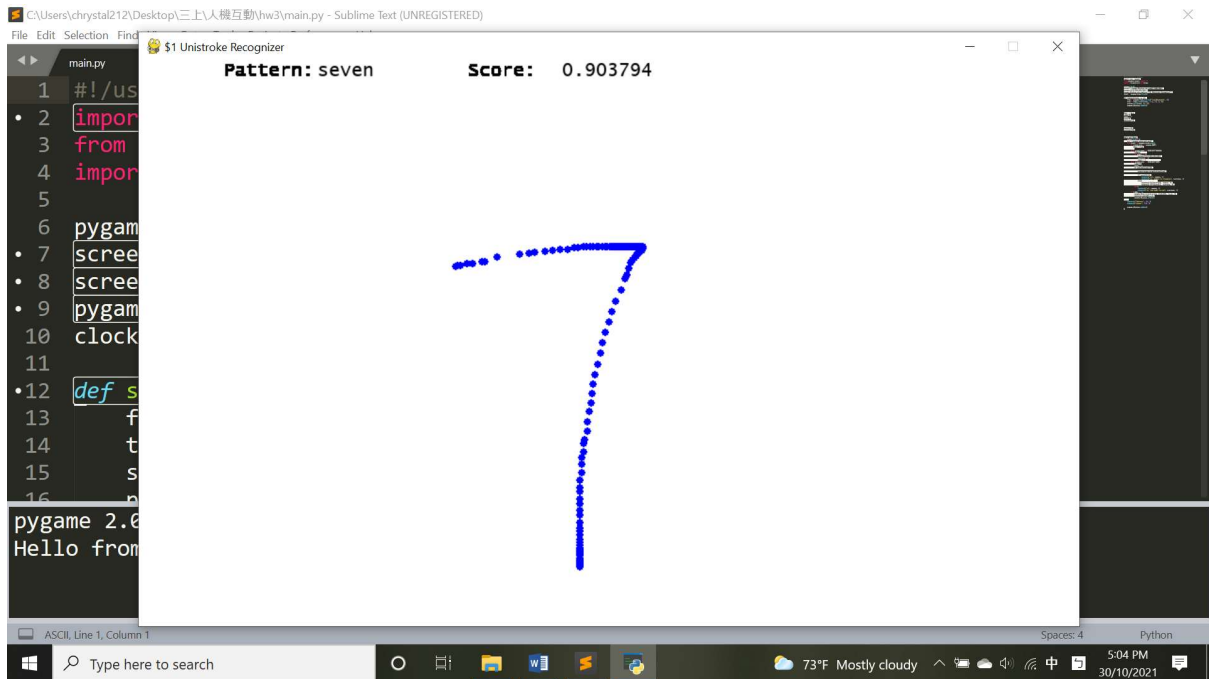
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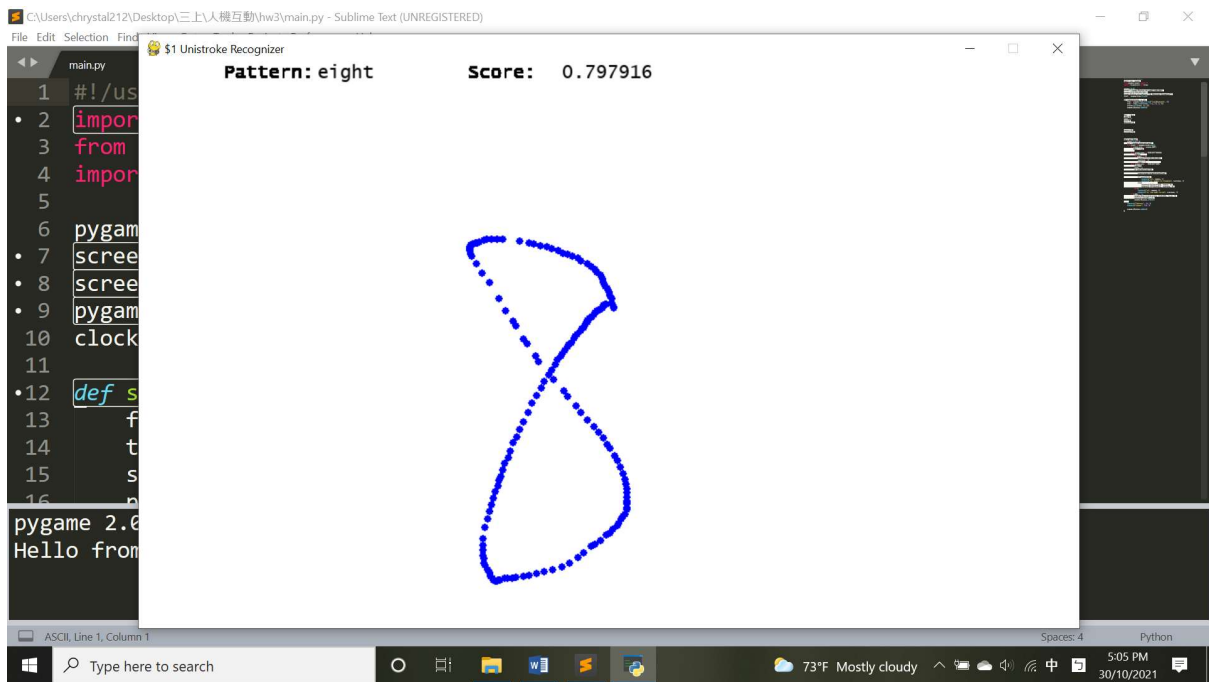
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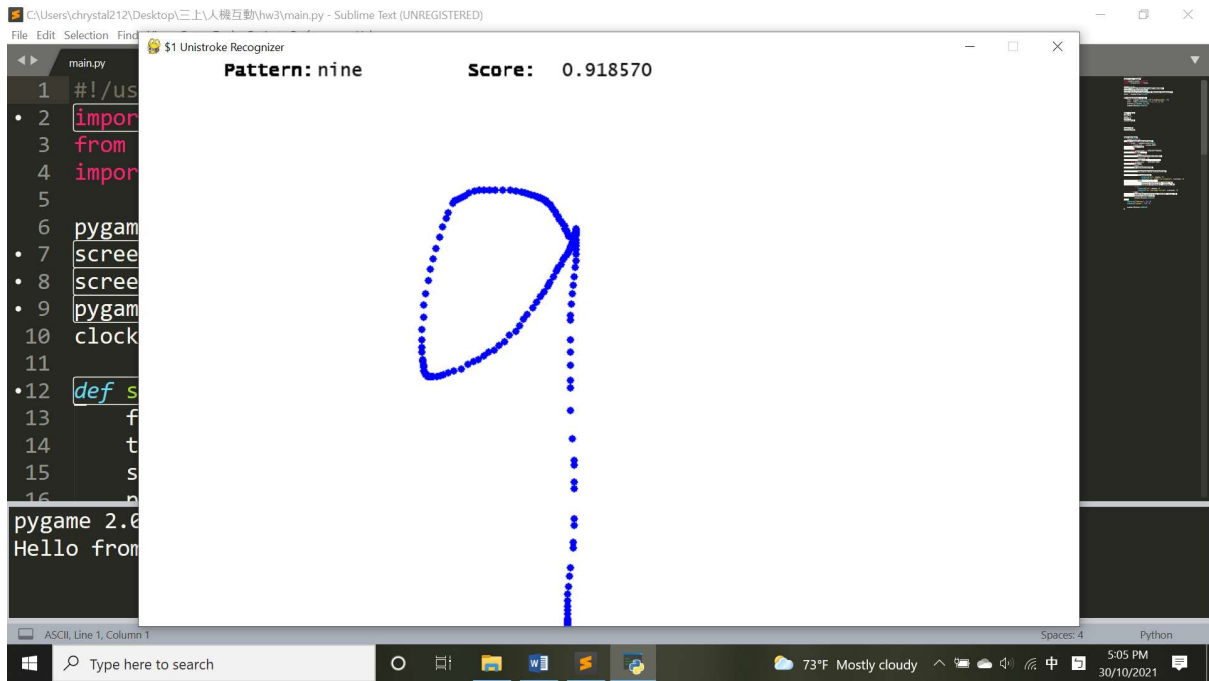
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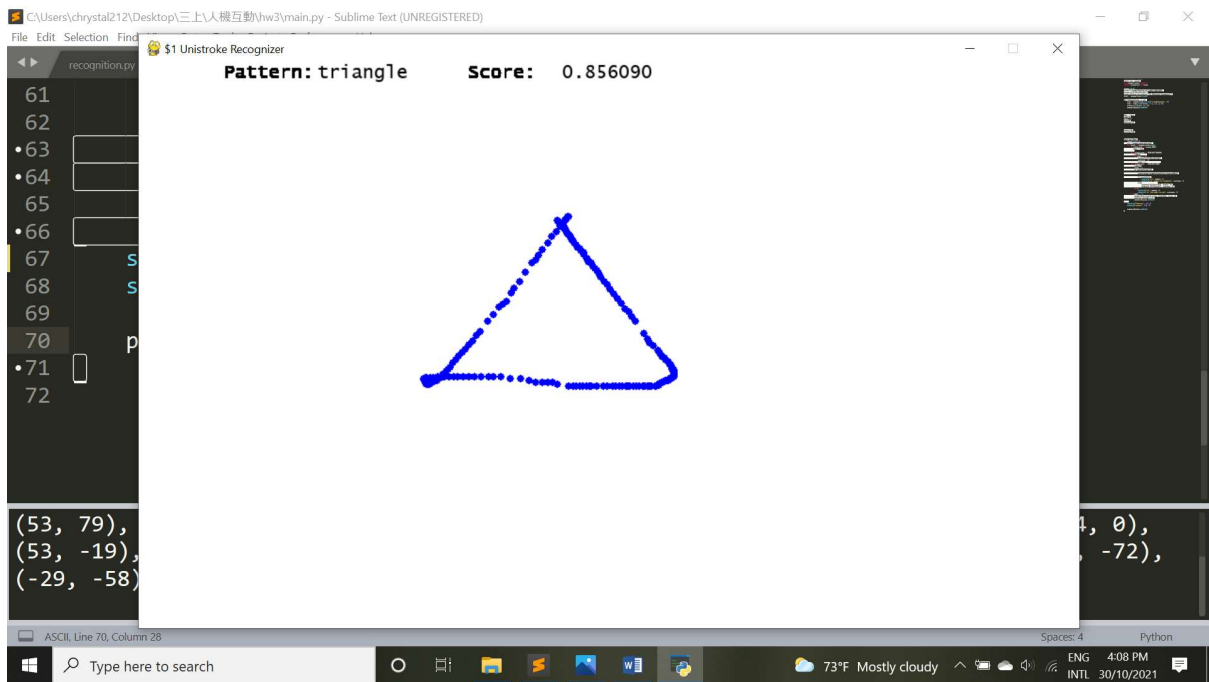
Eight:



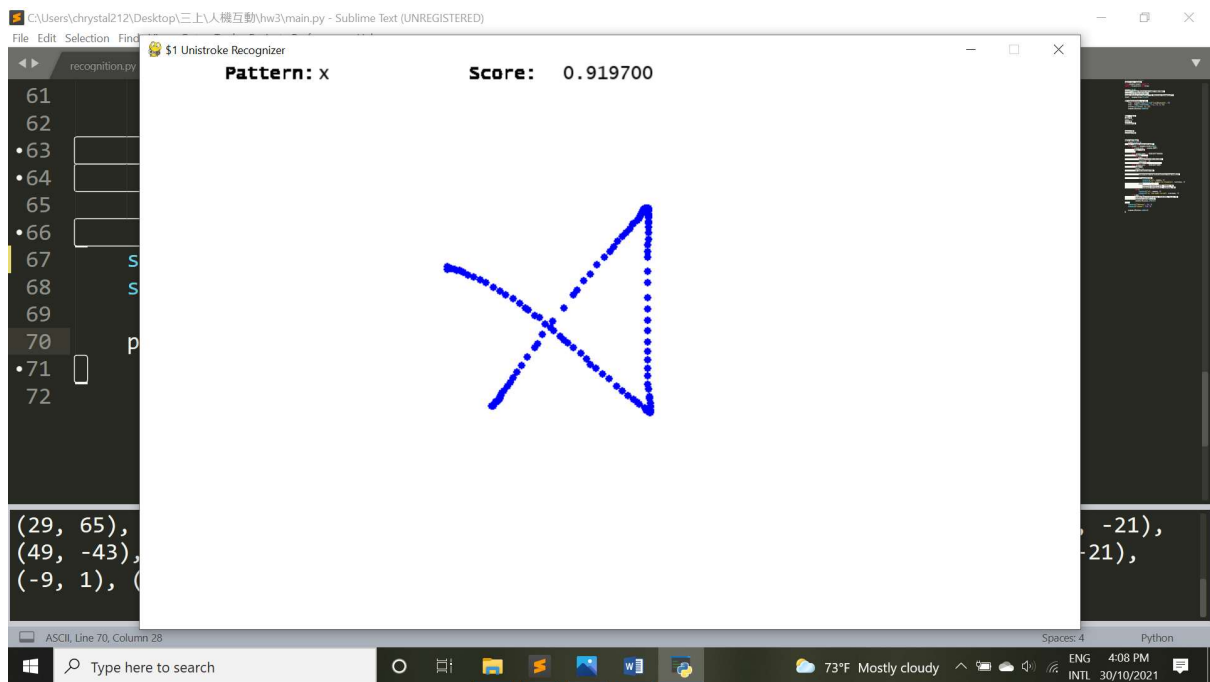
Nine:



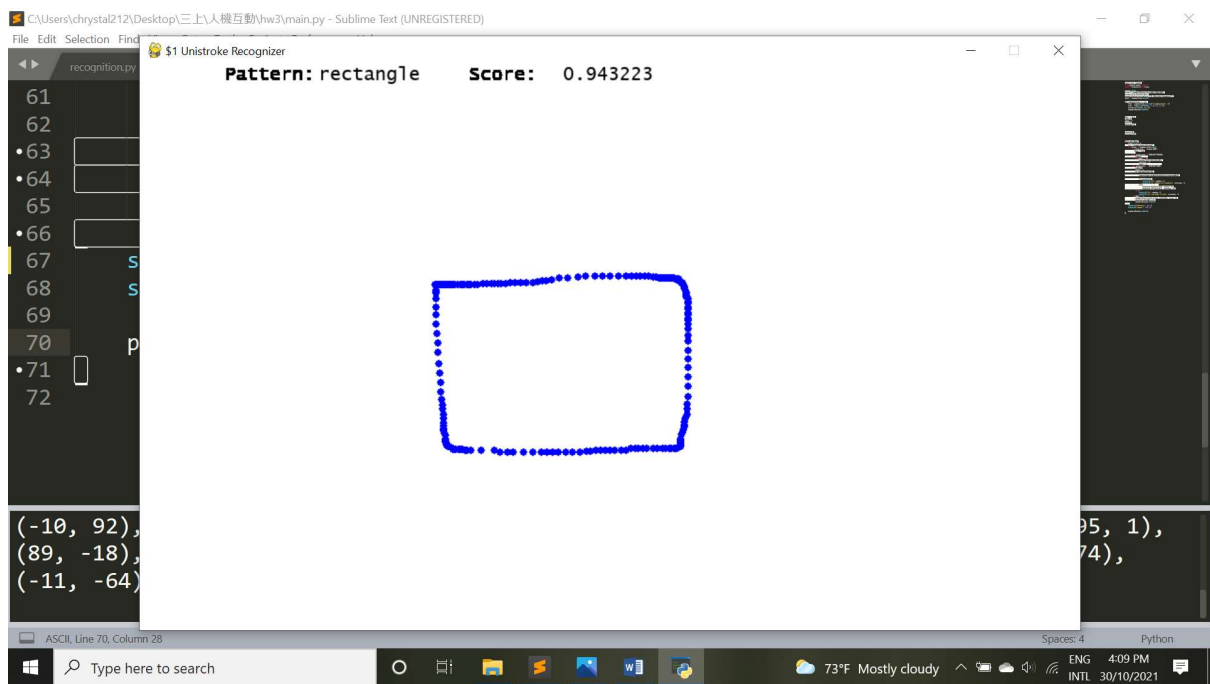
Triangle:



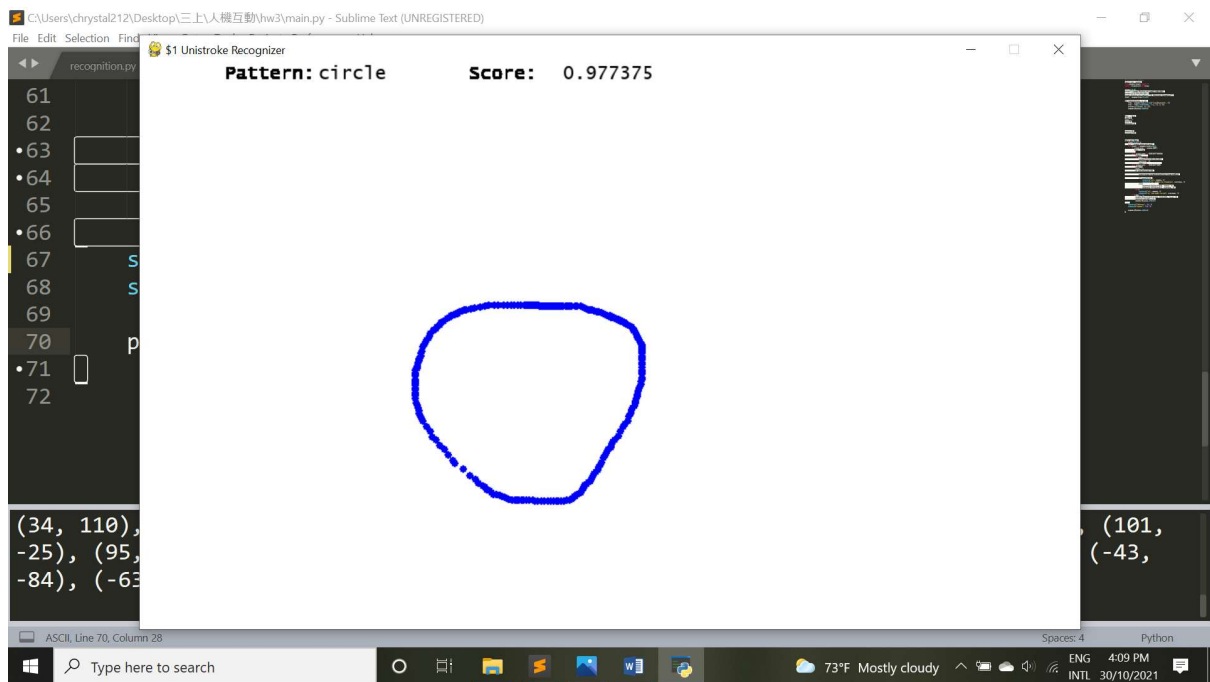
X:



Rectangle:



Circle:

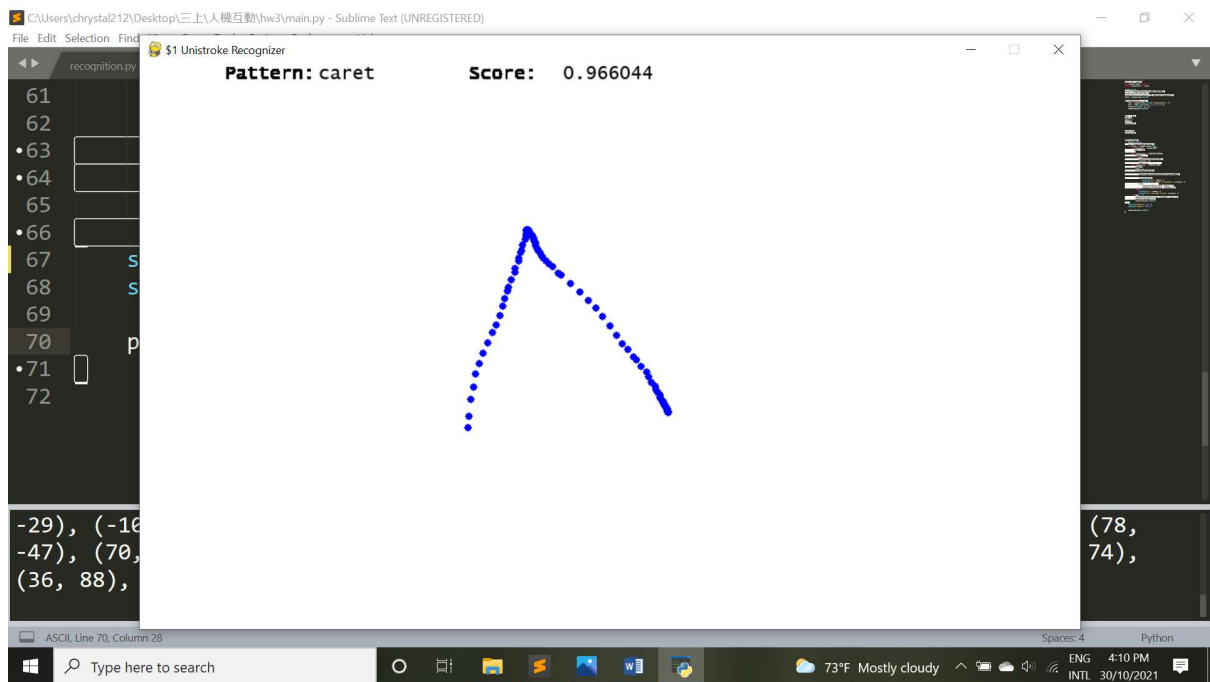


Check:

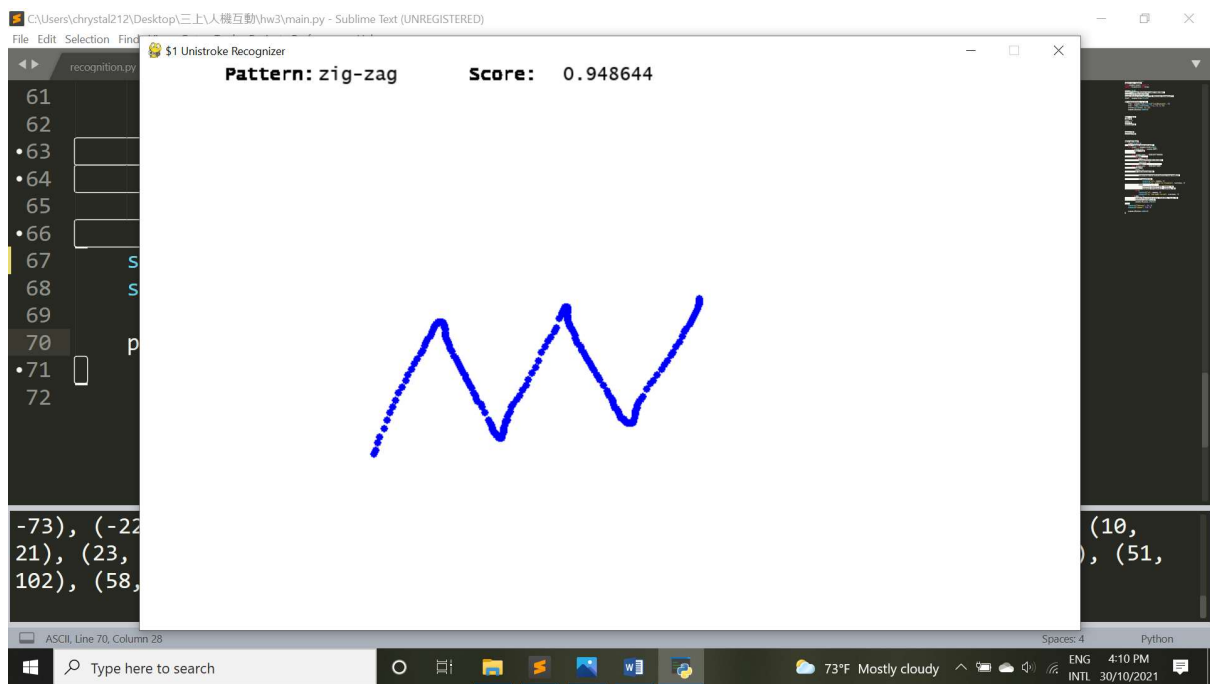


Caret:

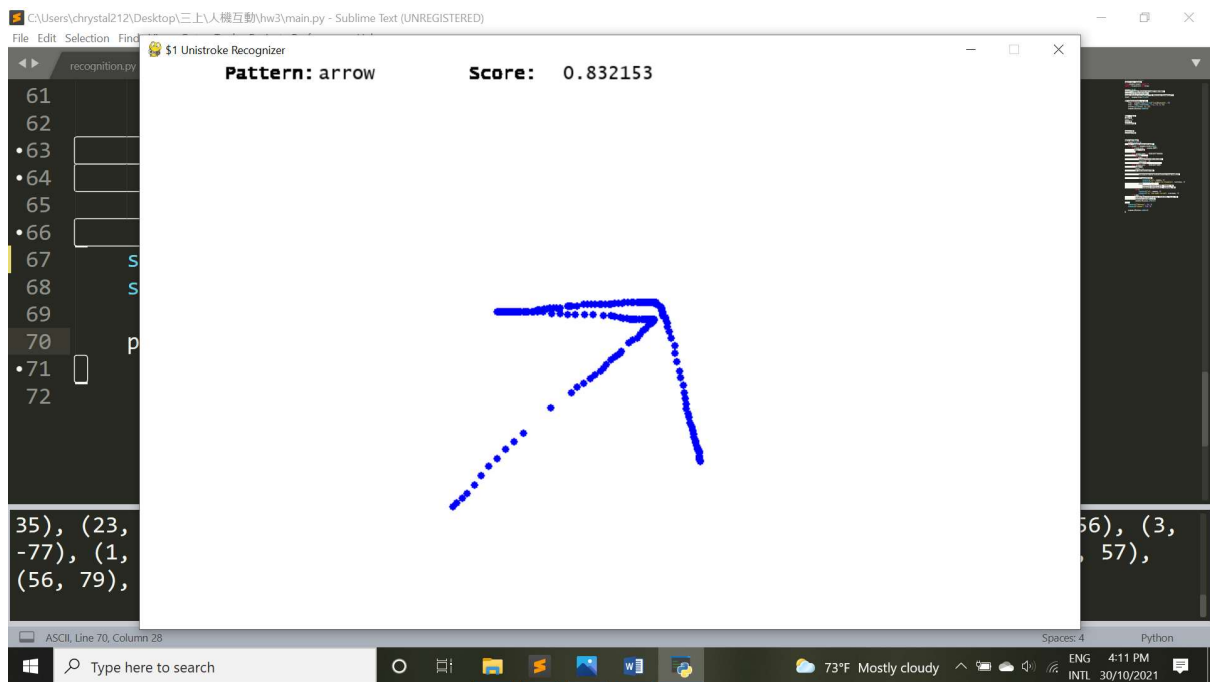




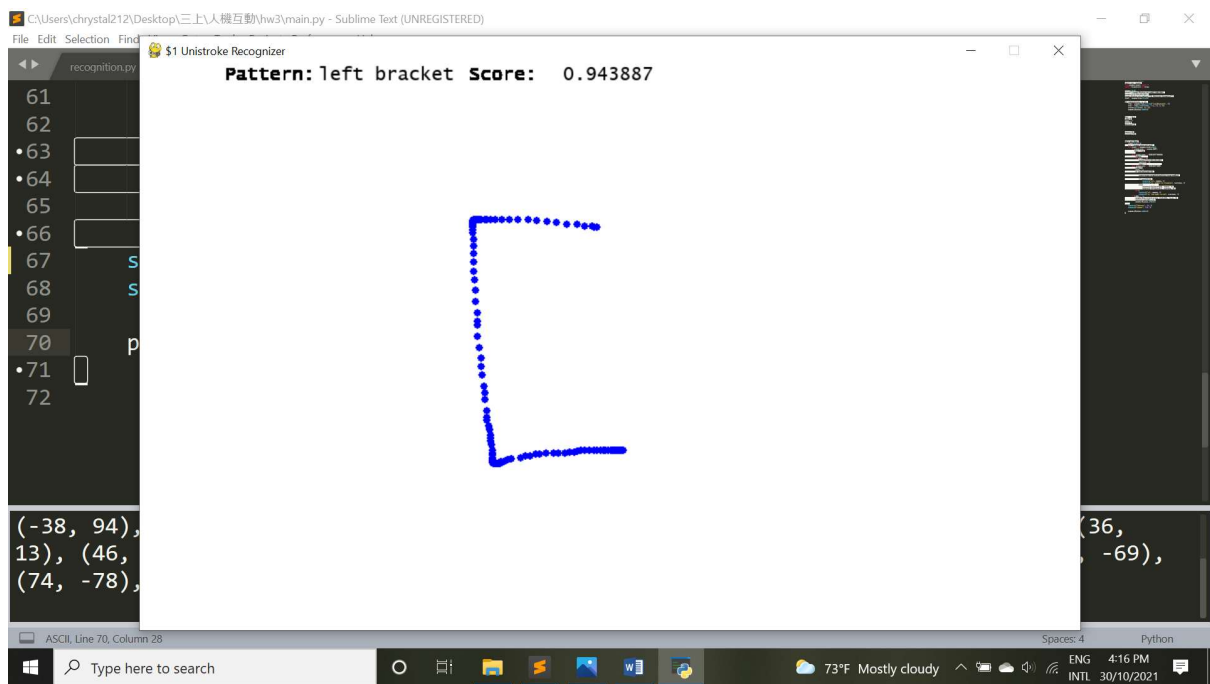
Zigzag:



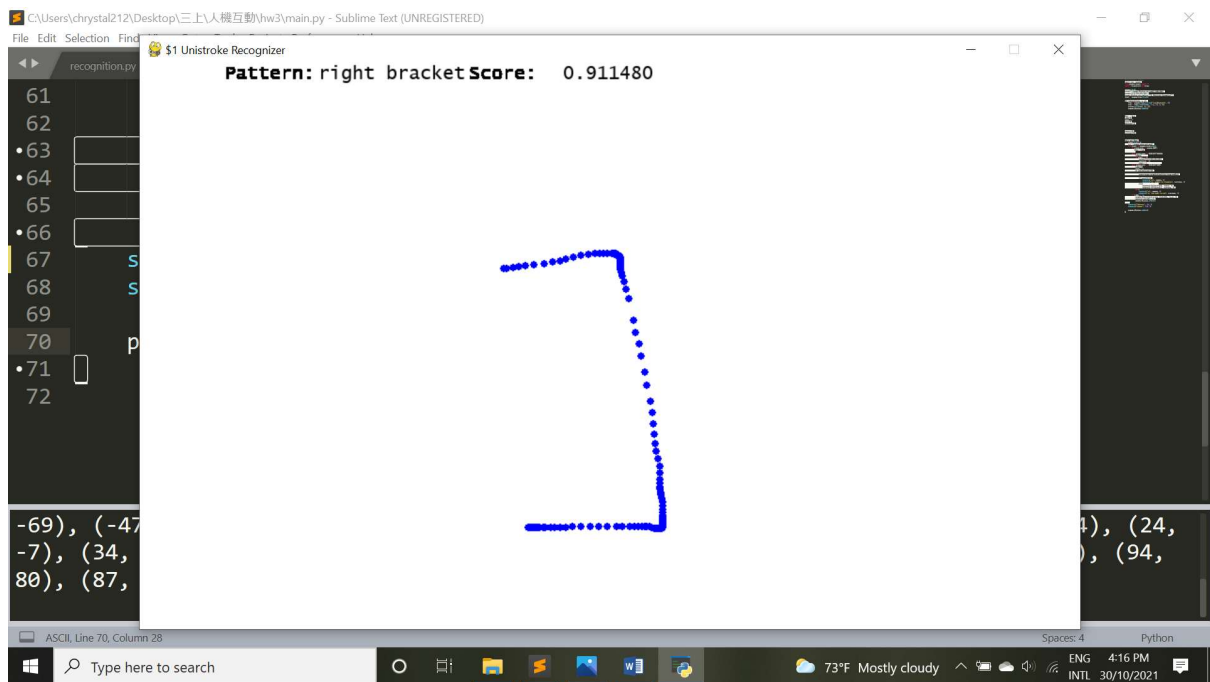
Arrow:



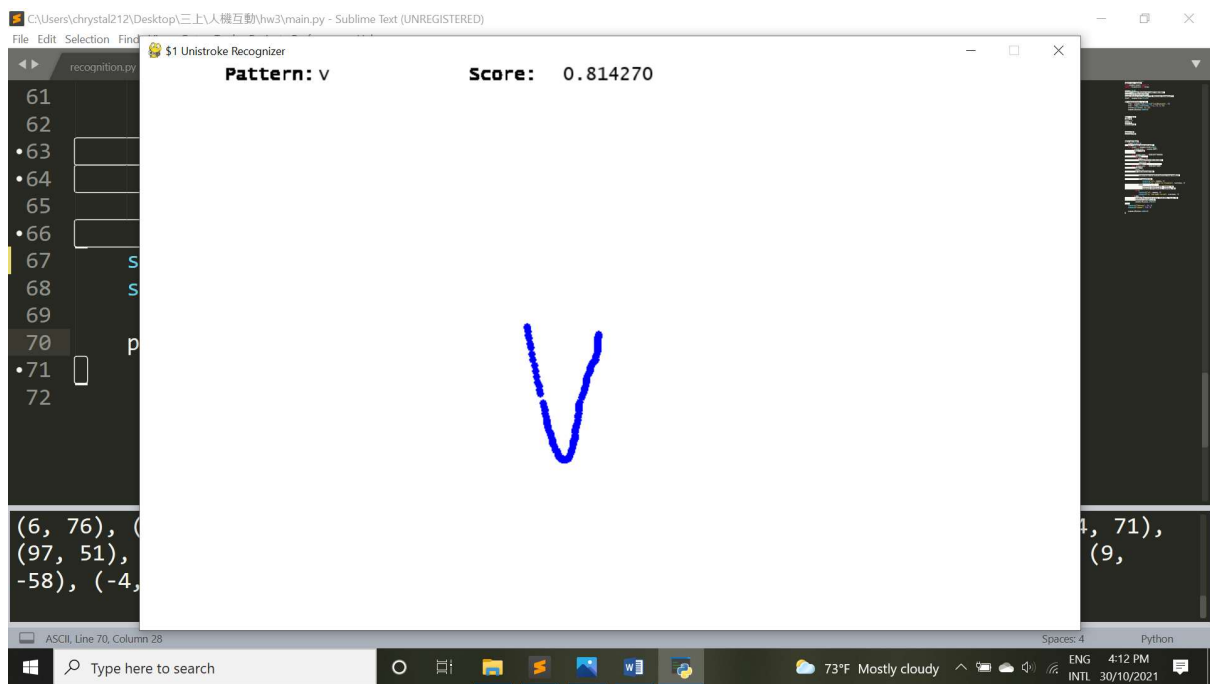
Left bracket:



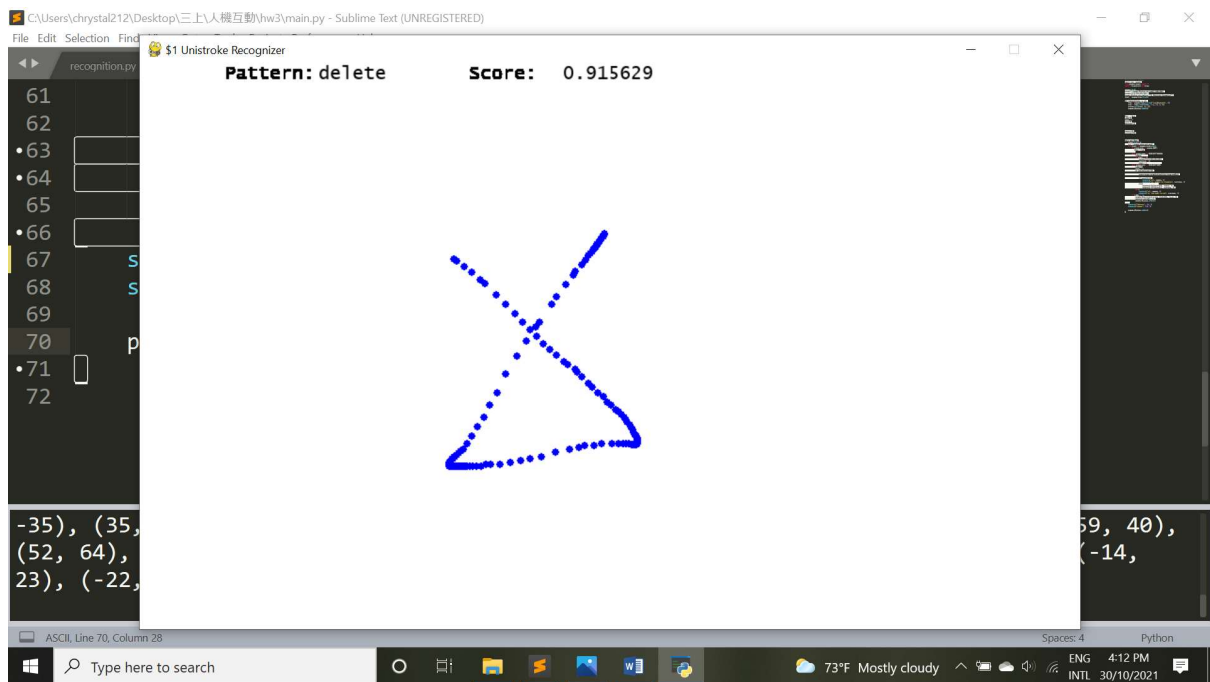
Right bracket:



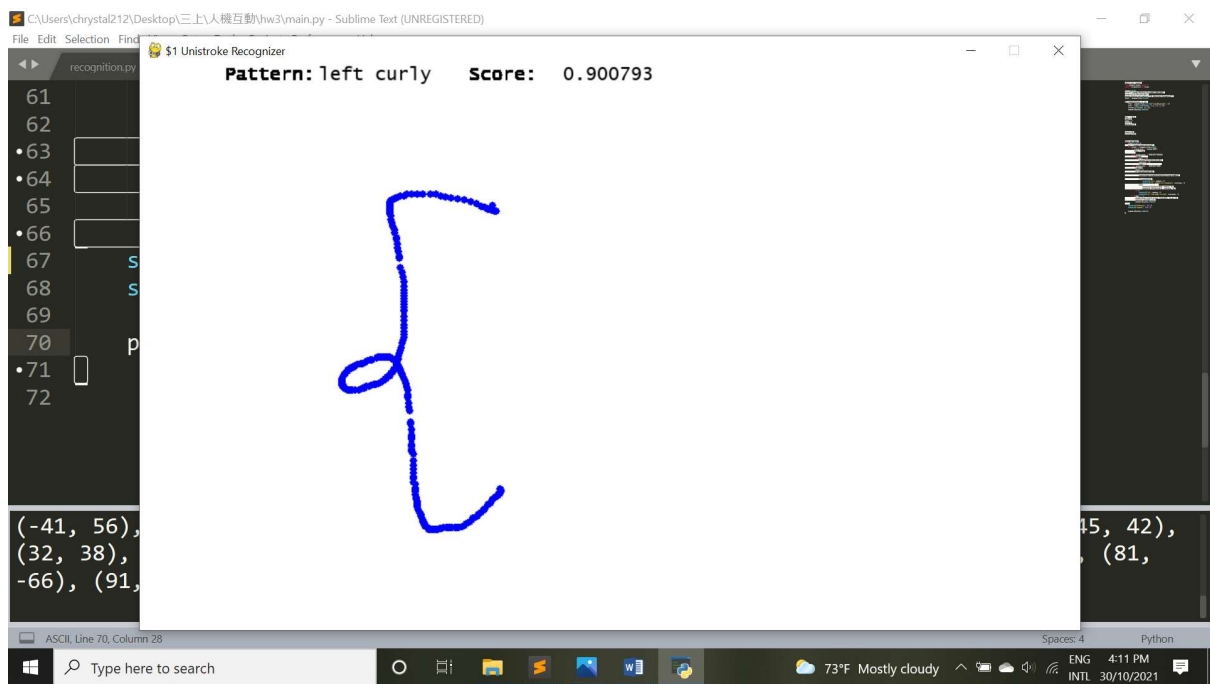
V:



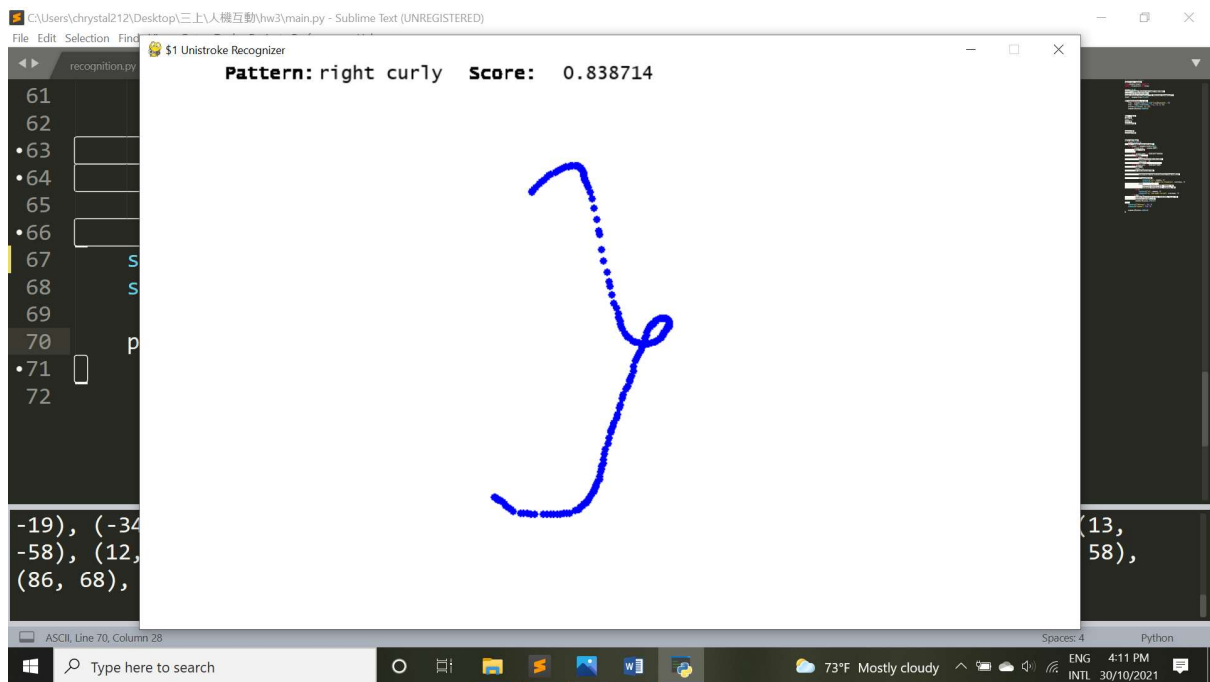
Delete:



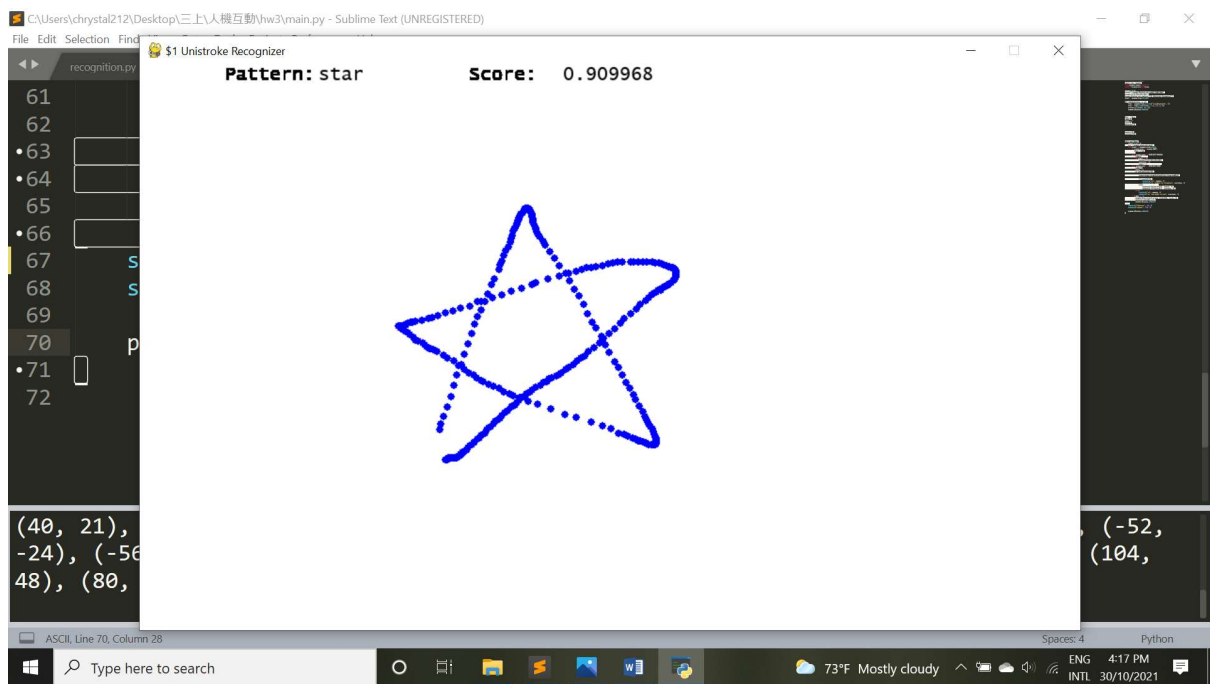
Left curly:



Right curly:



Star:



Pigtail:

